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Om nucleic - nucleic search, using sw model

Run on: May 27, 2003, 07:58:52 ; Search time 181.45 Seconds  
(without alignments)  
6353.067 Million cell updates/sec

Title: US-09-825-682A-56  
Perfect score: 873  
Sequence: 1 ctcaggatgttcaact.....tcaaaaaaaaaaaaaaa 873  
Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 828747 seqs, 650231138 residues

Total number of hits satisfying chosen parameters: 1657494

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Published\_Applications\_NA:\*

1: /cgn2\_5/prodata/2/pupbna/US07\_PUBCOMB.seq:\*

2: /cgn2\_5/prodata/2/pupbna/PC1\_NEW\_PUB.seq:\*

3: /cgn2\_5/prodata/2/pupbna/US06\_NEW\_PUB.seq:\*

4: /cgn2\_5/prodata/2/pupbna/US05\_PUBCOMB.seq:\*

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6: /cgn2\_5/prodata/2/pupbna/PCUT\_PUBCOMB.seq:\*

7: /cgn2\_5/prodata/2/pupbna/US08\_NEW\_PUB.seq:\*

8: /cgn2\_6/prodata/2/pupbna/US08\_PUBCOMB.seq:\*

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10: /cgn2\_6/prodata/2/pupbna/US09\_PUBCOMB.seq:\*

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12: /cgn2\_6/prodata/2/pupbna/US10\_PUBCOMB.seq:\*

13: /cgn2\_6/prodata/2/pupbna/US60\_NEW\_PUB.seq:\*

14: /cgn2\_6/prodata/2/pupbna/US60\_PUBCOMB.seq:\*

Pre-d. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description	
1	862	98.7	1510	10 US-09-827-948-1	
2	843	96.6	1527	10 US-09-822-830A-95	
3	825.2	94.5	1544	9 US-10-097-340-301	
4	825.2	94.5	1544	10 US-09-822-830A-95	
5	797.2	91.3	1558	9 US-10-097-340-303	
6	758.2	86.8	1549	10 US-09-925-301-424	
7	70.3	63.8	1549	9 US-10-066-543-178	
8	572.4	65.6	586	9 US-10-066-543-178	
9	488.4	55.9	502	9 US-10-060-036-1731	
10	457	59	9	9 US-10-066-541-1448	
11	451.4	51.7	477	9 US-10-066-543-3358	
12	441	50.5	453	9 US-10-066-543-2056	
13	416	47.7	439	9 US-10-066-543-1992	
14	316.4	36.2	320	9 US-10-076-622-293	
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17	316.4	36.2	320	12 US-10-007-805-233	
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20	288.4	33.0	320	10 US-09-867-701-530	
21	282.4	32.3	287	10 US-09-827-948-13	
22	272	31.3	285	10 US-09-815-343-32	
23	262	30.0	285	10 US-09-815-343-703	
C	24	260	29.8	273	10 US-09-827-948-14
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C	27	238.4	27.3	241	10 US-10-076-622-316
C	28	238.4	27.3	241	12 US-10-007-805-376
C	29	238.4	27.3	241	12 US-10-007-805-376
C	30	226.4	25.9	287	10 US-09-815-343-1258
31	188	21.5	201	10 US-09-827-948-17	
C	32	186.2	21.3	396	9 US-09-970-966-18
C	33	186.2	21.3	396	10 US-09-825-294-18
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C	44	165.4	18.9	234	10 US-09-815-343-1190
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C	48	146.8	16.8	199	9 US-10-076-622-125
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C	52	99.8	11.4	396	10 US-09-884-294-5
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C	54	96.6	11.1	369	10 US-09-960-352-12098
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C	90	71.4	8.2	2482	9 US-10-245-880-9
C	91	71.4	8.2	2482	9 US-10-243-025-9
C	92	71.4	8.2	2482	9 US-10-245-885-9

RESULT 1

US 09-827-948-1

; Sequence 1, Application US/09827948

; Patent No. US20010029034A1

; GENERAL INFORMATION:

; APPLICANT: Gent, Reiner, L.

; APPLICANT: Hsu, Tsu-An

; APPLICANT: Rosen, Craig A.

; APPLICANT: Ni, Jian

; TITLE OF INVENTION: Tissue Factor Pathway Inhibitor-3

; FILE REFERENCE: 1488.129002

; CURRENT APPLICATION NUMBER: US/09/827-948

; CURRENT FILING DATE: 2001-04-06

; PRIOR APPLICATION NUMBER: US 09/013, 896

; PRIOR FILING DATE: 1998-01-27

; NUMBER OF SEQ ID NOS: 31

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 1

; LENGTH: 1610

; TYPE: DNA

; ORGANISM: Homo sapiens

; NAME/KEY: CDS

; LOCATION: (361)..(1116)

; NAME/KEY: sig\_peptide

; LOCATION: (361)..(439)

; NAME/KEY: mat\_peptide

; LOCATION: (442)..(1116)

Query Match 98.7%; score 862; DB 10; Length 1610; Best local Similarity 99.9%; Pred. No. 8e-222; Matches 873; Conservative 0; Mismatches 0; Indels 1; Gaps 1; CDS 1

QY 1 CTCCGGGATATTCCTACTATGAAAGATACTGACGCCAACGGAGICACTGGCC 60

Db 726 CTCCGGGATATTCCTACTATGAAAGATACTGACGCCAACGGAGICACTGGCC 785

QY 61 CGGTGATCTCCGACGCTGACTTGACGTGAGAGACTCTGCATAACTTG 120

Db 786 CGGTGATCTCCGACGCTGACTTGACGTGAGAGACTCTGCATAACTTG 845

QY 121 CTATGGGGCTGCGGGCAATAAGAACGACTACGGCTGAGGGCTGCG 180

Db 846 CTATGGGGCTGCGGGCAATAAGAACGACTACGGCTGAGGGCTGCG 905

QY 181 CTGGCTCCGCAAGGGAGATCTCCCTGGCTCAAGGGGGTCTGGC 240

Db 906 CTGGCTCCGCAAGGGAGATCTCCCTGGCTCAAGGGGGTCTGGC 965

QY 241 GGGGGTGTGTCATGGGTGATCCTCTTCCTGGGACGCCCTGGCTG 300

Db 966 GGGGGTGTGTCATGGGTGATCCTCTTCCTGGGACGCCCTGGCTG 1025

QY 301 GGTGGCACGGAGAACAGGGACGGCTGGCCCTGGCACGCTGGCTG 360

Db 1026 GGTGGCACGGAGAACAGGGACGGCTGGCCCTGGCACGCTGGCTG 1085

QY 361 GGAGGAGCTGTGAGAACACATATGCTCTGTGACCCCTGGCAAGGAGACT-GGG 419

ALIGNMENTS

RESULT 2

US-09-822-830A-95

; Sequence 95, Application US/09822830A

; Patent No. US2002042952A1

; GENERAL INFORMATION:

; APPLICANT: Genetics Institute, Inc.

; APPLICANT: Wong, Gordon G.

; APPLICANT: Clark, Hilary

; APPLICANT: Fechtel, Kim

; APPLICANT: Agostino, Michael J.

; APPLICANT: Howes, Steven H.

; APPLICANT: Resnick, Richard J.

; APPLICANT: Gulukota, Kamalakar

; APPLICANT: Graham, James R.

; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS

; FILE REFERENCE: GIN 6402

; CURRENT APPLICATION NUMBER: US/09/822-830A

; CURRENT FILING DATE: 2001-03-29

; PRIOR APPLICATION NUMBER: 60/195, 604

; PRIOR FILING DATE: 2000-04-06

; NUMBER OF SEQ ID NOS: 631

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 95

; LENGTH: 1527

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-09-822-830A-95

Query Match 96.6%; Score 843; DB 10; Length 1527; Best Local Similarity 99.9%; Pred. No. 1e-21; Matches 854; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 CTCCAGGCGATATGTTCACTATGAAAGATACTGACGCCAACGGAGCTGGCC 60

Db 673 CTCCAGGCGATATGTTCACTATGAAAGATACTGACGCCAACGGAGCTGGCC 732

QY 61 CGGTGGCTCTCCGGCTGGACTTGACCTGGAGAGAACCTCCGCAACTCT 120

Ub 733 CCGTGCATCTTCCACCGCTGGTACTTGACCTGGAGGAACCTCCAT 792 ; APPLICANT: Rosemarie SCHMANDT  
 Qy 121 CTATGGAGGCTGCCGGCAATAGAACAGTACCGCTTGAGGAGCCTCATGTC 180 ; APPLICANT: Xumei ZHAO  
 Db 793 CTATGGAGGCTGCCGGCAATAGAACAGTACCGCTTGAGGAGCCTCATGTC 852 ; APPLICANT: Karen GLATT  
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,  
 ; FILE REFERENCE: MRI-030 ; CURRENT APPLICATION NUMBER: US/10/097, 340  
 ; CURRENT FILING DATE: 2002-03-14 ; PRIOR APPLICATION NUMBER: 60/276, 025  
 ; PRIOR FILING DATE: 2001-03-14 ; PRIOR APPLICATION NUMBER: 60/325, 149  
 ; PRIOR FILING DATE: 2001-09-26 ; PRIOR APPLICATION NUMBER: 60/276, 026  
 ; PRIOR FILING DATE: 2001-03-14 ; PRIOR APPLICATION NUMBER: 60/324, 967  
 ; PRIOR FILING DATE: 2001-09-26 ; PRIOR APPLICATION NUMBER: 60/311, 732  
 ; PRIOR FILING DATE: 2001-09-19 ; PRIOR APPLICATION NUMBER: 60/325, 102  
 ; PRIOR FILING DATE: 2001-09-26 ; PRIOR APPLICATION NUMBER: 60/323, 580  
 ; NUMBER OF SEQ ID NOS: 363 ; PRIOR FILING DATE: 2001-09-19  
 ; SOFTWARE: Fast-SEQ for Windows Version 4.0 ; NUMBER OF SEQ ID NOS: 363  
 ; SEQ ID NO 301 ; SEQ ID NO 301  
 ; LENGTH: 1544 ; LENGTH: 1544  
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 ; ORGANISM: Homo sapiens ; ORGANISM: Homo sapiens  
 ; FEATURE: ; FEATURE:  
 ; NAME/KEY: misc\_feature ; NAME/KEY: misc\_feature  
 ; LOCATION: (1)..(154) ; LOCATION: (1)..(154)  
 ; OTHER INFORMATION: n = A, T, C or G ; OTHER INFORMATION: n = A, T, C or G  
 ; US-10-097-340-301 ; US-10-097-340-301  
 ; Query Match ; Query Match  
 ; Best Local Similarity ; Best Local Similarity  
 ; Score 94.5%; Score 94.5%; ; Score 82.5%; Score 82.5%;  
 ; DB 9; DB 9; ; DB 9; DB 9;  
 ; Length 1544; Length 1544; ; Length 1544; Length 1544;  
 ; Matches 864; Matches 864; ; Mismatches 0; Mismatches 0;  
 ; Conservative 98.5%; Conservative 98.5%; ; Indels 9; Indels 9;  
 ; Gaps 3; Gaps 3;  
 Qy 660 GCTTATGCTGAACTCCATGCCCTTTCATCAGAACAGTGTGATCGTTCT 719 ; Qy 1 CTCCACCGATATGTCATCTATGAAATACTGCACCCCAACGGCTACTGGCTG 60  
 Db 1333 GCTCATGGCTGAACTCCATGCCCTTTCATCAGAACAGTGTGATCGTTCT 1392 ; Db 666 CTCCACCGATATGTCATCTATGAAATACTGCACCCCAACGGCTACTGGCTG 725  
 Qy 720 TTCTTCTCTGATTTAGTATGTTAGTAAACAAAGTTTATAGATCTG 779 ; Qy 61 CCGTGAACCTCCACCGCTGACTTGAGGAGGAACTGCAATRACTCAT 120  
 Db 1393 TTGTGTTGCTGATTTAGTGGTTTTAGTAAACAAAGTTTATAGATCTG 1452 ; Db 726 CGGUGACATCCCTCCACSGCTGTACTTGAGTGGAGACTCTGACATGGCTG 785  
 Qy 780 AAGAGGAACTAAATGACAGTAAACAGGCGCTCCCTAGAATAAT 839 ; Qy 121 CTAAGGAGGCTGGGGCAAAAGACGCTACCCGCTTGAGGAGGAACTGCAATGCG 180  
 Db 1453 AAGAGGAACTAAATGACAGTAAACAGGCGCTCCCTAGAATAAT 1512 ; Db 786 CTTGAGATGGGGCAATAGACACTACCCGCTTGAGGAGGAACTGCG 845  
 Qy 840 TTCAGCATGTGTTT 854 ; Qy 181 CTCCTTGCCACGGGAATCTCCCTTGAGGAGGAACTACCCGCTTGAGGAGGAACTGCG 240  
 Db 1513 TTCAACATGTGCTT 1527 ; Db 846 CTCCTTGCCACGGGAATCTCCCTTGAGGAGGAACTACCCGCTTGAGGAGGAACTGCG 905  
 ; Qy 241 GGGCGTGTGATGGGTATCTCTTCTGGAGCCTCAGGTACTGTGCTGG 300 ; Qy 241 GGGCGTGTGATGGGTATCTCTTCTGGAGCCTCAGGTACTGTGCTGG 300  
 ; Db 906 GGGCGTGTGATGGGTATCTCTTCTGGAGCCTCAGGTACTGTGCTGG 965 ; Db 906 GGGCGTGTGATGGGTATCTCTTCTGGAGCCTCAGGTACTGTGCTGG 965  
 ; Sequence 301 Application US/10097340 ; Sequence 301 Application US/10097340  
 ; Publication No. US20030087250A1 ; Publication No. US20030087250A1  
 ; GENERAL INFORMATION: ; GENERAL INFORMATION:  
 ; APPLICANT: John MONAHAN ; APPLICANT: John MONAHAN  
 ; APPLICANT: Manjula GANNAVAPU ; APPLICANT: Manjula GANNAVAPU  
 ; APPLICANT: Sebastian HOERSCH ; APPLICANT: Sebastian HOERSCH  
 ; APPLICANT: Shubhangi KAMAKAR ; APPLICANT: Shubhangi KAMAKAR  
 ; APPLICANT: Steve G. KOVATS ; APPLICANT: Steve G. KOVATS  
 ; APPLICANT: Rachel E. MEYERS ; APPLICANT: Rachel E. MEYERS  
 ; APPLICANT: Michael MORRISSEY ; APPLICANT: Michael MORRISSEY  
 ; APPLICANT: Peter OLANDT ; APPLICANT: Peter OLANDT  
 ; APPLICANT: Aini SEN ; APPLICANT: Aini SEN  
 ; APPLICANT: Peter VEIBY ; APPLICANT: Peter VEIBY  
 ; APPLICANT: Gordon B. MILLS ; APPLICANT: Gordon B. MILLS  
 ; APPLICANT: Robert C. BAST, JR. ; APPLICANT: Robert C. BAST, JR.  
 ; APPLICANT: Karen LU ; APPLICANT: Karen LU

RESULT 3  
 US-10-097-340-301

QY 540 GGGATGGGTGTTGGAATCCTCTAGGAGCTCTCGATGGCTGGATGCTGG 599  
 Db 1206 GGGATGGGTGTTGGAATCCTCTAGGAGCTCTCGATGGCTGGATGCTGG 1265  
 QY 600 CAGGAGCCGAGTGTGTTCTCGATGAGATTCCTCCAGGTAGTTCTT 659  
 Db 1266 CAGGAGCCGAGTGTGTTCTCGATGAGATTCCTCCAGGTAGTTCTT 1325  
 QY 660 GCTTATGTTGATTCCTATGCTC- -TTCTCTGATGAGAGTGTGATCGTT 717  
 Db 1326 GCTTATGTTGATTCCTATGCTC- -TTCTCTGATGAGAGTGTGATCGTT 1385  
 QY 718 CTTTGTGTTGATGTTGATGTTAGTTTAAGTATAACAAAGTTTATAGCTT 777  
 Db 1386 CTTTGTGTTGATGTTGATGTTAGTTTAAGTATAACAAAGTTTATAGCTT 1445  
 QY 778 TGAAGAGGAAGTAAATGCTACAGTTAACTAAAGGGCTTCCCTTAGATAA 837  
 Db 1446 TGAAGAGGAAGTAAATGCTACAGTTAACTAAAGGGCTTCCCTTAGATAA 1505  
 QY 838 ATT-CAGATGTCCTCAAAACAAAAAA 873  
 Db 1506 ATTCCACATGTCCTCAAAACAAAAAA 1542  
 RESULT 4  
 US-09-880-107-3429  
 ; Sequence 3429, Application US/09880107  
 ; Patent No. US20020142981A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Horne, Darci T.  
 ; APPLICANT: Vockley, Joseph G.  
 ; APPLICANT: Scherf, Uwe  
 ; CURRENT APPLICATION NUMBER: 4421-5028-WO  
 ; FILE REFERENCE: US/09/880-107  
 ; CURRENT FILING DATE: 2001-06-14  
 ; PRIOR APPLICATION NUMBER: US 60/211,379  
 ; PRIOR FILING DATE: 2000-06-14  
 ; NUMBER OF SEQ ID: 3950  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; LENGTH: 3429  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; OTHER INFORMATION: Genbank Accession No. US20020142981A1 U78095  
 ; NAME/KEY: unsure  
 ; LOCATION: (1) · (1535)  
 ; OTHER INFORMATION: n = a or c or g or t  
 US-09-880-107-3429  
 Query Match 94.5%; Score 825.2; DB 10; Length 1544;  
 Best Local Similarity 98.5%; Pred. No. 6.3e-212; Matches 864; Conservative 0; Mismatches 9; Indels 4; Gaps 3;  
 QY 1 CTCCAGCATAGTTCACTATGAGAATCTGACGCCAACGGCTACTGGCTTG 60  
 Db 666 CTCCAGCATAGTTCACTATGAGAATCTGACGCCAACGGCTACTGGCTTG 725  
 QY 61 CCGTGCATCTCCACGCTGACTTGTACGAGGAGGACTCTGGAATACTGAT 120  
 Db 726 CGTGCATCTCCACGCTGACTTGTACGAGGAGGACTCTGGAATACTGAT 785  
 QY 121 CTATGGAGCTCCGGGCAATAGAACAGTACCGCTTGAGGAGGCCATGCTCG 180  
 Db 786 CTATGGAGCTCCGGGCAATAGAACAGTACCGCTTGAGGAGGCCATGCTCG 845  
 181 CTGTTGGCCAGGAGATCCCTCCCTGCCCTTGCTCAAGGGTGTGGCTGG 240  
 RESULT 5  
 US-10-097-340-303  
 ; Sequence 303, Application US/10097340  
 ; Publication No. US20030087250A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: John MONKAN  
 ; APPLICANT: Manjula GANIVARAPU  
 ; APPLICANT: Sebastian HERSH  
 ; APPLICANT: Shuhangji KAMATKAR  
 ; APPLICANT: Steve G. KOVATS  
 ; APPLICANT: Rachel E. MEIERS  
 ; APPLICANT: Michael MORRIS  
 ; APPLICANT: Peter OLANDT  
 ; APPLICANT: Ami SEN  
 ; APPLICANT: Peter VILBY  
 ; APPLICANT: Gordon B. MILLS  
 ; APPLICANT: Robert C. BAST, JR.  
 ; APPLICANT: Karen LU  
 ; APPLICANT: Rosannarie SCHMANDT  
 ; APPLICANT: Xumei ZHAO  
 ; APPLICANT: Karen GLATT  
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification, Assessment, Prevention, and Therapy of Ovarian Cancer  
 ; FILE REFERENCE: MRI-030  
 ; CURRENT APPLICATION NUMBER: US/10/097-340

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; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324,967
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSBQ for Windows Version 4.0
; SEQ ID NO: 303
; LENGTH: 1558
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: misc-feature
; LOCATION: (1)..(1558)
; OTHER INFORMATION: n = A,T,C or G
; US-10-097-340-303

Query Match 91.3%; Score 797.2; DB 9; Length 1558;
Best Local Similarity 95.3%; Pred. No. 2.e-204;
Matches 823; Conservative 16; Mismatches 16; Indels 7; Gaps 2;
Qy 1 CTCCAGCGATATGTTCACTAGTGAAGATACTCAGGCCACGGAGTACTGGCTTG 60
Db 526 CTCCAGCGATATGTTCACTAGTGAAGATACTCAGGCCACGGAGTACTGGCTTG 585
Qy 61 CGGTCGATCTTCCACGGCTGTTACTTCAGGGAGAGGACTCTGAACTACTCAT 120
Db 586 CGGTGATCTTCCACGGCTGTTACTTCAGGGAGAGGACTCTGAACTACTCAT 645
Qy 121 CTATGAGGCTGCAGGGCAATAAGACACGTTACCGCTCTGAGGGCCATGCTCG 180
Db 546 CTATGAGGCTGCAGGGCAATAAGACACGTTACCGCTCTGAGGGCCATGCTCG 705
Qy 181 CTGCTTCCGCCAGCAAGAAATCTCCCTGCGCCCTGCTCAAGGTGCTGCTGC 240
Db 706 CTGCCTCCGCCAGCAAGAAATCTCCCTGCGCCCTGCTCAAGGTGCTGCTGC 765
Qy 241 GGGCTGTGCGTCACTGTGAGATCTCTCCCTGGAGCTCAGGTTACCTGATCG 300
Db 766 GGGCTGTGCGTGGTGTGATCTCTCCCTGGAGCTCAGGTTACCTGATCG 825
Qy 301 GCTGCACCGAGGACCAAGAGCCTGCACGGCTGCGACGCTCGAGATGACAA 360
Db 826 GGTGCACCGAGGACCAAGAGCCTGCACGGCTGCGACGCTCGAGATGACAA 885
Qy 361 GGAGGAGCTGTGAGAAGACACATATGCCCTGTGACCCCTGTGCCAGAGGACT 419
Db 886 GGAGGAGCTGTGAGAAGACACATATGCCCTGTGACCCCTGTGCCAGAGGACT 945
Qy 420 AAGGGAGGGAGACTATGTGAGCTTTTAATAGAGGGATGAGCTGGAGTTGGT 479
Db 946 ANGGAGGGAGACTATGTGAGCTTTTAATAGAGGGATGAGCTGGATTGAGT 1005
Qy 480 GATCACTAGGGCTGAGGCTGTTCTGGAGGTAGACGGCTGCTCTGGCTGCGA 1065
Db 1006 GATCACTAGGGCTGAGGCTGTTCTGGAGGTAGACGGCTGCTCTGGCTGCGA 1065
Qy 540 GGAGGTTGCTGTTCTGGAAATCTCTAGGAGCTCTGCCATGGCTGAGTCGG 599
Db 1066 GGATGGTGTGCTGCTGAAATCTCTAGGAGCTGCTGAGTCGGCTGCGA 1125
Qy 600 CAGCAACCCGAGTGTGTCCTGCGACAGGAGCTGAGTCGGTCTGCTGCGA 659
; LENGTH: 1558
; TYPE: DNA
; Sequence 424, Application US/09925301
; Patent No. US2002052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: Patentin ver. 2.0
; SEQ ID NO: 424
; LENGTH: 1549
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-925-301-424

Query Match 86.8%; Score 758.2; DB 10; Length 1649;
Best Local Similarity 95.3%; Pred. No. 7.3e-194;
Matches 833; Conservative 0; Mismatches 33; Indels 5; Gaps 5;
Qy 1 CTCCACCGATACTGTCACTATGAGATACTGACCGCAACCGAGTACTGGCTTG 60
Db 784 CTCCACCGATACTGTCACTATGAGATACTGACCGCAACCGAGTACTGGCTTG 843
Qy 61 CGCTCCATCTCCACGGCTGACTCTGAGCTGAGGAGACTCTGCAATACTCAT 120
Db 844 CGGTGATCTCCACGGCTGACTCTGAGCTGAGGAGACTCTGCAATACTCAT 903
Qy 121 CTATGGAGGCTGCCAGGACATAAGACAGCTACCGCTCTGAGGCTGAGTCAGTCGG 180
Db 904 CTATGGAGGCTGCCAGGACATAAGACAGCTACCGCTCTGAGGAGCTGAGTCGG 963
Qy 181 CTGCTTCCGCCAGCAAGAAATCTCCCTGCGCCCTGCTCAAGGTGCTGCTGC 240
Db 964 CTGCCTCCGCCAGGAGCTCTCCCTGCCCTGCGACGCTGCTGAGATGACAA 1023
Qy 241 GGGCTGTGCGTGGAGATCTCCCTGGCCCTGCTGAGCTGCTGAGATGACAA 1143
Db 1024 GGGCTGTGCGTGGAGATGGTGTGATCTCTGCTCTGGAGGCTGCTGAGTCGG 1083
Qy 301 GGTGACACGGAGACAGGAGCTGGCTGCGACGGCTGCTGAGGAGATGACAA 360
Db 361 GGAGGAGCTGTGAGAAGACACATATGCCCTGTGACCCCTGTGCCAGAGTGGG 420
Qy 361 GGAGGAGCTGTGAGAAGACACATATGCCCTGTGACCCCTGTGCCAGAGTGGG 1202
Db 1144 GGAGGAGCTGTGAGAAGACACATATGCCCTGTGAGTGGTCTGCGCAAGAGGAGTGGG 1202

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QY 421 AGGGGGGAGACTATGGTGTGAGCTTTTAATAGGGGATGACTGGATTGAGT 480
Db 1203 AAGGAGGGAGACATGTGTA-CTTITTRAATAGGGGATGACTGGATTGAGT 1261
QY 481 ATCATAGGCTGAGGCTGTTCTGAGGAGCTGCTGCG 540
Db 1262 ATCATAGGCTGAGGCTGTTCTGAGGAGCTGCTGCG 1321
QY 601 AGACGCCCGAGAGTGTCTCTCGTGTGATCGATCGATTCTTCTCCAGG 660
Db 1382 AGCACCCGAGATGTCTCGTGTGACAGATGCTTCC-CCAGTAGGTTCTTG 600
QY 1322 GGATGGGTTGCTTGAAATCTCTAGGAGCTCTCCGCGTCTGCTGCG 540
Db 601 AGACGCCCGAGAGTGTCTCTCGTGTGATCGATCGATTCTTCTCCAGG 660
QY 1441 CTATGTTGAA-TCCATGCTCTTCTCATCACAGAGCTGATGTTGAGTCTT 1499
Db 1382 AGCACCCGAGATGTCTCGTGTGACAGATGCTTCC-CCAGTAGGTTCTTG 600
QY 661 CTTATGTTGAAATCCATGCTCTTCTCATCACAGAGCTGATGTTGAGTCTT 720
Db 1500 TTGTTGTTGCTGATTATGGTTTAAAGTATAACAAAGTATTATAGCATTCG 1559
QY 781 AAGAGGAAAGTAATGACAGTTATAAAAGGGCCTCCCTTAGATAATT 840
Db 1560 AAGGAGGAAGT-AATGTCAGTTATAAAAGGGCCTCCCTTAGATAATT 1618
QY 841 TCACATGCTTCAAAAAAAAAAA 871
Db 1619 AAAAATAAAAAAAKAAAAKAAAAKAAAAA 1649
Do
RESULT 7
US-10-066-543-178/c
; Sequence 178, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Sechrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121-563
; CURRENT APPLICATION NUMBER: US/10/066, 543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 178
; LENGTH: 638
; TYPE: DNA
; ORGANISM: Homo sapiens
; OS-10-066-543-178

Query Match 70.3%; Score 613.4; DB 9; Length 638;
Best Local Similarity 99.5%; Pred. No. 4e-155; Mismatches 0; Indels 1; Gaps 2;
Matches 636; Conservative 0; MisMatches 1; Del 1; Insert 1;
QY 162 AGGAGGCCCTGCTATGCTCGCTGCTCCGAGAGGAAATCCTCCCTGCCCTGGCT 221
Db 638 AGGAGGCCCTGCTATGCTCGCTGCTCCGAGAGGAAATCCTCCCTGCCCTGGCT 579
QY 222 CAAAGTGGTGGTCTCGCGGGGCTGTCGATGTTGTTGATCCCTCTCTGGAGGCT 281
Db 578 CAAAGTGGTGGTCTCGCGGGGCTGTCGATGTTGTTGATCCCTCTGGAGGCT 519
Do
RESULT 8
US-10-066-543-1767
; Sequence 1767, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Sechrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121-563
; CURRENT APPLICATION NUMBER: US/10/066, 543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1767
; LENGTH: 586
; TYPE: DNA
; ORGANISM: Homo sapiens
; OS-10-066-543-1767

Query Match 65.6%; Score 572.4; DB 9; Length 586;
Best Local Similarity 99.7%; Pred. No. 4.2e-144; Mismatches 0; Indels 1; Gaps 1;
Matches 584; Conservative 0; MisMatches 1; Del 1; Insert 1;
QY 84 ACTTGACGTTGGAGGAGACTCTGCAATACTCATCATGAGGCTGCGGGCAATA 143

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QY 69 TGGTGGAAACACATATGCCCTGGACCGCTGGAGCTGGAGGAGGACAC 180  
 Db 181 ATAGGGCTGGAGCTGTTCTGGAGGAGGGCCTCCCTGGAGGA 240  
 QY 181 TGGTGGAAACACATATGCCCTGGACCGCTGGAGGAGGACAC 427  
 Db 241 GGAGACTATGTTGAGCTTAAATAGGGATGAGCTGGATGATCA 300  
 QY 488 GGGCTGAGGCTGTTCTGGAGGAGGACTGGGAGGGAGG 240  
 Db 301 GGCTGGGCTGTTCTGGAGGAGGACTGGGAGGGAGG 360  
 QY 58 TTTGCTTGGAAATCTCTAGAGGCTCTCGCATGCCAGCTGACACCC 607  
 Db 361 TTTGCTTGGAAATCTCTAGAGGCTCTCGCATGCCAGCTGACACCC 420  
 QY 608 CGAGGTTGTTCTCTGGCATGGATCTTCTCCAGGAGGTTTC 656  
 Db 421 CCGACTTGTCTCTGCTGATGATCTTCTCCAGGAGGTTTC 469  
 RESULT 11  
 US 10-066-543-3358  
 ; Sequence 3358, Application US/10066543  
 ; Publication No. US20030087818A1  
 ; GENERAL INFORMATION:  
 ;  
 ; APPLICANT: Jiang, Yugu  
 ; APPLICANT: Pyle, Ruth A.  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Indrias, Carol Yoseph  
 ; APPLICANT: Lodes, Michael J.  
 ; APPLICANT: Secrist, Heather  
 ; APPLICANT: Carter, Darrick  
 ; APPLICANT: Fanger, Gary R.  
 ; APPLICANT: Smith, Carole L.  
 ; APPLICANT: Durham, Margarita  
 ; APPLICANT: Stolk, John A.  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
 ; CURRENT APPLICATION NUMBER: US/10/066, 543  
 ; FILE REFERENCE: 210121-563  
 ; CURRENT FILING DATE: 2002-01-31  
 ; NUMBER OF SEQ ID NOS: 3417  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 3358  
 ; LENGTH: 477  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: 459  
 ; OTHER INFORMATION: n = A,T,C or G  
 ; US-10-066-543-3358  
 Query Match 51.7%; Score 451.4; Db 9; Length 477;  
 Best Local Similarity 99.4%; Pred. No. 1.4e-111;  
 Matches 474; Conservative 0; Mismatches 1; Indels 2; Gaps 2;  
 QY 305 GCACGGGAAACAGGAGGCTGGCCTGGACCTGTGGAGGAGACAGGAG 364  
 Db 1 GCACGGGAAACAGGAGGCTGGCCTGGACCTGTGGAGGAGACAGGAG 60  
 QY 365 CAGCTGTGAAGAACACATATGCCCTGGACCGCTGTGGAGGAGACTGGAAAGG 423  
 Db 61 CAGCTGTGAAGAACACATATGCCCTGGACCTGTGGAGGAGACTGGAAAGG 120  
 QY 424 GAGGGGAGACTATGTTGAGCTTAAATAGGGTACTCGGATTCAGTCA 483  
 Db 121 GAGGGGAGACTATGTTGAGCTTAAATAGGGTACTCGGATTCAGTCA 180  
 QY 484 ATTAGGGCTGGAGCTGTTCTGGAGGAGGGCTCCCTGGAGGA 543  
 Db 181 ATAGGGCTGGAGCTGTTCTGGAGGAGGGCCTCCCTGGAGGA 240  
 QY 544 TGGTGTGCTTGGAAACCTCTAGGGAGGCTCTCCATGCCCTGCAGC 603  
 Db 241 TGGTGTGCTTGGAAACCTCTAGGGAGGCTCTCCATGCCCTGCAGC 300  
 QY 604 AGCCCGAGGTTGTTCTGCTGATGATCTTCTCCAGGAGTGTCTTGCT 663  
 Db 301 AGCCCGAGGTTGTTCTGCTGATGATCTTCTCCATCACAGAGTGTCTTGCT 360  
 QY 664 ATCTGATTCATGCCCTTCTCATACAGAGTGTCTTGATGCTGTTTG 723  
 Db 361 ATGTGATTCATGCCCTTCTCATCACAGAGTGTCTTGATGCTGTTTG 420  
 QY 724 TTTGCTGATTATGTTTAAAGATAAACAAAG-TTTTATGATCTG 779  
 Db 421 TTTGCTGATTATGTTTAAAGATAAACAAAGNTTTTATGATCTG 477  
 RESULT 12  
 US-10-066-543-2086  
 ; Sequence 2086, Application US/10066543  
 ; Publication No. US20030087818A1  
 ; GENERAL INFORMATION:  
 ;  
 ; APPLICANT: Jiang, Yugu  
 ; APPLICANT: Pyle, Ruth A.  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Indrias, Carol Yoseph  
 ; APPLICANT: Lodes, Michael J.  
 ; APPLICANT: Secrist, Heather  
 ; APPLICANT: Carter, Darrick  
 ; APPLICANT: Fanger, Gary R.  
 ; APPLICANT: Smith, Carole L.  
 ; APPLICANT: Durham, Margarita  
 ; APPLICANT: Stolk, John A.  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
 ; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER  
 ; FILE REFERENCE: 210121-563  
 ; CURRENT APPLICATION NUMBER: US/10/066, 543  
 ; CURRENT FILING DATE: 2002-01-31  
 ; NUMBER OF SEQ ID NOS: 3417  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 2086  
 ; LENGTH: 453  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; US-10-066-543-2086  
 Query Match 50.5%; Score 441; DB 9; Length 453;  
 Best Local Similarity 99.8%; Pred. No. 8.8e-109; Mismatches 0; Indels 1; Gaps 1;  
 Matches 452; Conservative 0; Mismatches 0;  
 QY 84 ACTTGTGAGGTGGAGGAGACTCTCTGCAATACTTCCTCTCTGGAGCTGCCGGAGGATA 143  
 Db 1 ACTTGTGAGGTGGAGGAGACTCTCTGCAATACTTCCTCTGGAGCTGCCGGAGGATA 60  
 QY 144 AGAACAGCTACGGCTCTGGAGGAGACTCTGCAATACTTCCTCTGGAGCTGCCGGAGGATA 203  
 Db 61 AGAACAGCTACGGCTCTGGAGGAGACTCTGCAATACTTCCTCTGGAGCTGCCGGAGGATA 120  
 QY 204 CTCCCTCTCCCTGTGCTCAAGGGTGGTGTCTGGGGGCTGTCGATGTTGA 263  
 Db 121 CTCCCTCTCCCTGTGCTCAAGGGTGGTGTCTGGGGGCTGTCGATGTTGA 180  
 QY 264 TCTCTCTCTGGAGGAGACTCTGCAATACTTCCTCTGGAGCTGCCGGAGGATA 323  
 Db 181 TCCCTCTCTGGAGGCTCCATGTTCTACTCTGATCCGGTGGCAGGAGACAGGAG 240  
 QY 324 GTGGCTCTGGACCTGGCTGGAGGAGATGACAGGGAGCTGGAGGAGACAGGAG 383  
 Db 241 GGGCTCTGGACCTGGCTGGAGGAGATGACAGGGAGCTGGAGGAGACAGGAG 300

QY 384 ATGTCCTGTGACCGCCCTGCGCAAGAGGACT-GGAAAGGAGGGAGACTATGTTGA 442  
 Db 301 ATGTCCTGTGACCGCCCTGCGCAAGAGGACTGGAGGAGGAGACTATGTTGA 360  
 QY 443 GCCTTTTAAATAGAGGATGACTCGGATTTGAGTCAATTAGGCTGAGGCTGTC 502  
 Db 361 GCCTTTTAAATAGAGGATGACTCGGATTTGAGTCAATTAGGCTGAGGCTGTC 420  
 RESULT 13 US-10-066-543-1692  
 ; Sequence 1692, Application US/10066543  
 ; Publication No. US2003008781A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Jiang, Yuqiu  
 ; APPLICANT: Pyle, Ruth A.  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Lodes, Michael J.  
 ; APPLICANT: Secrist, Heather  
 ; APPLICANT: Carter, Darrick  
 ; APPLICANT: Fanger, Gary R.  
 ; APPLICANT: Smith, Carole L.  
 ; APPLICANT: Durham, Margarita  
 ; APPLICANT: Indrias, Carol Joseph  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
 ; FILE REFERENCE: 210121-563  
 ; CURRENT APPLICATION NUMBER: US/10/066, 543  
 ; CURRENT FILING DATE: 2003-01-31  
 ; NUMBER OF SEQ ID NOS: 3417  
 ; SOFTWARE: Fast-SEQ for Windows Version 4.0  
 ; SEQ ID NO: 1692  
 ; LENGTH: 439  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; US-10-066-543-1692  
 Query Match 47.7%; Score 416; DB 9; Length 439;  
 Best Local Similarity 99.5%; Pred. No. 4.7e-102; Matches 438; Conservative 0; Mismatches 0; Indels 2; Gaps 2;  
 QY 84 ACCTTGAGGAGGAGGAACTCCCTGCAATACTCATCGATAGGGCGCCGGGAATA 143  
 Db 1 ACCTTGAGGAGGAACTCCCTGCAATACTCATCGATAGGGCGCCGGGAATA 60  
 QY 144 AGACACACTACCGCTCTGAGGAGGCCCTGAGGAGGAAATC 203  
 Db 61 AGACACACTACCGCTCTGAGGAGGCCCTGAGGAGGAAATC 120  
 QY 204 CTCCTCCGCCCCCTGGCTAACGTTGCTGGCGGGCTTGCTGAGGTTGA 263  
 Db 121 CTCCTCCGCCCCCTGGCTAACGTTGCTGGCGGGCTTGCTGAGGTTGA 180  
 RESULT 15 US-09-604-287A-293  
 ; Sequence 293, Application US/09604287A  
 ; Patent No. US2002006487A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Jiang, Yuqiu  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Mitcham, Jennifer L.  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Harlocke, Susan L.  
 ; APPLICANT: Hesler, William T.  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; FILE REFERENCE: 210121-470C7  
 ; CURRENT APPLICATION NUMBER: US/09/604, 287A  
 ; CURRENT FILING DATE: 2003-06-22





RESULT 21

US-09-827-948-13

; Sequence 13, Application US/09827948

; Patent No. US20010029034A1

; GENERAL INFORMATION:

; APPLICANT: Gentz, Reiner, L.

; APPLICANT: Hsu, Tsu-An

; APPLICANT: Roser, Craig A.

; APPLICANT: Ni, Jian

; TITLE OF INVENTION: Tissue Factor Pathway Inhibitor-3

; CURRENT APPLICATION NUMBER: US/09/827,948

; CURRENT FILING DATE: 2001-04-06

; PRIOR APPLICATION NUMBER: US 09/013,896

; PRIOR FILING DATE: 1998-01-27

; NUMBER OF SEQ ID NOS: 31

; SOFTWARE: Patentin version 3.0

; SEQ ID NO 13

; LENGTH: 287

; TYPE: DNA

; ORGANISM: Homo sapien

; US-09-815-343-32

Query Match 31.3%; Score 213; DB 10; Length 285;

Best Local Similarity 99.5%; Pred. No. 1.2e-63; Matches 284; Conservative 0; Mismatches 0; Indels 1; gaps 1;

Matches 284; Conservative 0; Mismatches 0; Indels 1; gaps 1;

Qy 168 CCTCGATCTCCGCTCTTCGCCAGCAGAGATCTCCCTCCCTTGCTCAAGG 226

Db 285 CCTCGATCTCCGCTCTTCGCCAGCAGAGATCTCCCTCCCTTGCTCAAGG 226

Qy 228 TGGTGTCTGGGGAGCTGTCTGTAATGTTGTTGATTCCTCTGGAGCTCCATG 287

Db 225 TGGTGTCTGGGGAGCTGTCTGTAATGTTGTTGATTCCTCTGGAGCTCCATG 166

Qy 288 TCTACCTATCGGGGAGGGAGAACGAGCTGGCGACGCTGGCGACGGCTGGAGCT 347

Db 165 TCTACCTATCGGGGAGGGAGAACGAGCTGGCGACGCTGGCGACGGCTGGAGCT 106

Qy 348 CGGGAGATCAGAGGACAGCTGGAGAACACATATGTCCTGACGCCCTGTCGCC 407

Db 105 CGGGAGATCAGAGGACAGCTGGAGAACACATATGTCCTGACGCCCTGTCGCC 407

Qy 408 AAGAGACT-GGAAAGGAGGGAGCATGTTGAGGACACATATGTCCTGACGCCCTGTCGCC 451

Db 45 AAGAGACTGGGAAGGGAGGGAGCATGTTGAGGACACATATGTCCTGACGCCCTGTCGCC 1

; OTHER INFORMATION: n is A, C, T, or G

; LOCATION: (229)

; OTHER INFORMATION: n is A, C, T, or G

; NAME/KEY: misc\_feature

; LOCATION: (193)

; OTHER INFORMATION: n is A, C, T, or G

; NAME/KEY: misc\_feature

; LOCATION: (229)

; OTHER INFORMATION: n is A, C, T, or G

; US-09-827-948-13

RESULT 22

US-09-815-343-32/c

; Sequence 32, Application US/09815343

; Patent No. US2001005596A1

; GENERAL INFORMATION:

; APPLICANT: Meagher, Madeleine

; APPLICANT: Xu, Jiangchun

; APPLICANT: King, Gordon E.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; FILE REFERENCE: 210121.504

; CURRENT APPLICATION NUMBER: US/09/815,343

; CURRENT FILING DATE: 2001-03-22

; NUMBER OF SEQ ID NOS: 1556

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 703

; LENGTH: 286

; TYPE: DNA

Qy 226 GGCTGGTCTGGGGCTGTCGAGATGTCGACCTATCTGGAGGCTCAT 285

Db 181 GNGGGTGTCTGGGGCTGTCGAGATGTCGACCTATCTGGAGGCTCAT 240

Qy 286 GGCTGACTGTGACCCGGTGGACGGAGACAGGAGCGAGCCGCTGC 332

Db 241 GGCTGACTATCCGGTGGACGGAGACAGGAGCGAGCCGCTGC 287

Qy 593 AGTCGGCAGCAGGCCGAGCTGTTCCCGAGATGATGATGATGATGATG 652

Db 61 AGTCGGCAGCAG-CCCGAGTGTTCCTCGCTGATGATGATGATGATG 119

Qy 653 TTGCTTGTGTTATGTTGCTGATGTTAGTTAAGTAACTAACAGAATTTAG 712

Db 120 TTGCTTGTGTTATGTTGCTGATGATGATGATGATGATGATGATGATG 179

Qy 713 CGTCTCTTGTGCTGATGTTAGTTAAGTAACTAACAGAATTTAG 772

Db 180 CGTCTCTTGTGCTGATGATGATGATGATGATGATGATGATGATG 239

Qy 773 CATTCTGAAGAAGGAAGTAAATGTCAGTTAATAAAAGGGCTCCCTAG 832

Db 240 CATTCTGAAGAAGGAAGTAAATGTCAGTTAATAAAAGGGCTCCCTAG 299

Qy 833 AA 834

Db 300 GA 301

; ORGANISM: Homo sapien  
; OTHER INFORMATION: n is A, T, C, or G  
; OTHER INFORMATION: n is A, T, C, or G

; OTHER INFORMATION: n is A, T, C, or G  
; OTHER INFORMATION: n is A, T, C, or G  
; OTHER INFORMATION: n is A, T, C, or G

US-09-815-343-703

US-09-827-948-14

Query Match 30.0%; Score 262; DB 10; Length 286;  
Best Local Similarity 99.3%; Pred. No. 1.e-60;  
Matches 284; Conservative 0; Mismatches 0; Indels 2; Gaps 2;  
Query 168 CCTCGATGCTCGGTGCTCCGCAGAGGAATCCCTCCCTGCCCCCTGGCTCAAGG 227  
Db 1 CCTCGATGCTCGGTGCTCCGCAGAGGAATCCCTCCCTGCCCCCTGGCTCAAGG 60  
Query 228 TGGTGTCTCGGCCGGGTGTCGTGATGGGTGATGATCTCTCTGGGACGCCCTGAGG 287  
Db 61 TGGTGTCTCGGCCGGGTGTCGTGATGGGTGATGATCTCTCTGGGACGCCCTGAGG 120  
Query 288 TCTACTCTGATCC-GGTTGCAAGGAGGACAGAGGACATCCCTCCCTGGCTCAAGG 346  
Db 121 TCTACTCTGATCCGGGGGGACAGAGGACATCCCTCCCTGGCTCAAGG 180  
Query 347 TCGGAGATGACAAGGAGGAGCTGGTTCAGACATATGTCCTGTCAGCAGCCTGTCAGC 406  
Db 181 TCGGAGATGACAAGGAGGACAGGGTCAGGAGACATATGTCCTGTCAGCAGCCTGTCAGC 240  
Query 407 CAAGGAGCT-GGGAGGAGGAGGAGACTATGTCAGCAGCTTTTT 451  
Db 241 CAGAGGACTGGGAGGAGGAGACTATGTCAGCAGCTTTTT 286

RESULT 24  
US-09-821-948-14/c  
; Sequence 14, Application US/09827948  
; Patent No. US20010029034A1  
; GENERAL INFORMATION:  
; APPLICANT: Genth, Reiner, L.  
; APPLICANT: Hsu, Tsu-An  
; APPLICANT: Rosen, Craig A.  
; APPLICANT: Ni, Jian  
; TITLE OF INVENTION: Tissue Factor Pathway Inhibitor-3  
; FILE REFERENCE: 1488-1290002  
; CURRENT APPLICATION NUMBER: US/09-827, 948  
; CURRENT FILING DATE: 2001-04-05  
; PRIOR APPLICATION NUMBER: US 09/013, 896  
; PRIOR FILING DATE: 1998-01-27  
; NUMBER OF SEQ ID NOS: 31  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 14  
; LENGTH: 273  
; TYPE: DNA  
; ORGANISM: Human  
; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: (32)  
; LOCATION: (58)  
; OTHER INFORMATION: n is A, T, C, or G  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: n is A, T, C, or G  
; NAME/KEY: misc\_feature  
; LOCATION: (71)  
; OTHER INFORMATION: n is A, T, C, or G  
; NAME/KEY: misc\_feature  
; LOCATION: (72)  
; OTHER INFORMATION: n is A, T, C, or G  
; NAME/KEY: misc\_feature  
; LOCATION: (73)  
; OTHER INFORMATION: n is A, T, C, or G  
; NAME/KEY: misc\_feature  
; LOCATION: (95)  
; OTHER INFORMATION: n is A, T, C, or G  
; NAME/KEY: misc\_feature  
; LOCATION: (103)  
; OTHER INFORMATION: n is A, T, C, or G  
; NAME/KEY: misc\_feature  
; LOCATION: (222)

RESULT 25  
US-09-815-343-1323  
; Sequence 1323, Application US/09815343  
; Patent No. US20010055596A1  
; GENERAL INFORMATION:  
; APPLICANT: Meagher, Madeleine  
; APPLICANT: Xu, Jianguchun  
; APPLICANT: King, Gordon E.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER  
; FILE REFERENCE: 210121-504  
; CURRENT APPLICATION NUMBER: US/09/815, 343  
; CURRENT FILING DATE: 2001-03-22  
; NUMBER OF SEQ ID NOS: 1556  
; SOFTWARE: Fast SEQ for Windows Version 4.0  
; SEQ ID NO 1323  
; LENGTH: 287  
; TYPE: DNA  
; ORGANISM: Homo sapien  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(287)  
; OTHER INFORMATION: n = A, T, C or G  
; US-09-815-343-1323

Query Match 29.1%; Score 273.8; DB 10; Length 287;  
Best Local Similarity 96.9%; Pred. No. 1.e-50;  
Matches 278; Conservative 0; Mismatches 6; Indels 3; Gaps 2;

US-09-827-948-14

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Query 571 GGCTCTCTCTCGATGCTGGCTGAGCTGAGGCCCCAGTGTTCCTCGTGTATCG 630  
Db 273 GGCTCTCTCTCGATGGCTGAGCTGAGGCCCCAGTGTTCCTCGTGTATCG 214  
Query 631 ATTCCTCTCCAGGATGAGTTCCTTGCTATGTTGATTGATTCATGCCCTTTC 690  
Db 213 ATTCCTCTCCAGGATGAGTTCCTTGCTATGTTGATTGATTCATGCCCTTTC 154  
Query 691 ATCACAGAGTGTGATGTCATGTTGATGTTGTTTAACT 750  
Db 153 ATCACAGAGTGTGATGTTGATGTTGTTGTTGTTGATGTTGTTTAACT 94  
Query 751 ATAAACAAAGTTTATAGCATCTGAAAGAACTAAATGTCAGTTAAT 810  
Db 93 ATAAACAAAGTTTATAGCATCTGAAAGAACTAAATGTCAGTTAAT 34  
Query 811 AAAAGGGCCCTCCCTTGAGTAA 838  
Db 33 ANAAGGGCCCTCCCTTGAGTAA 6

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

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Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
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US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
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US-09-825-682a-56.rnpb

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Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

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Best Local Similarity 97.0%; Pred. No. 3.e-60;  
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Best Local Similarity 97.0%; Pred. No. 3.e-60;  
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Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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Best Local Similarity 97.0%; Pred. No. 3.e-60;  
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US-09-825-682a-56.rnpb

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Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

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Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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US-09-825-682a-56.rnpb

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Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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US-09-825-682a-56.rnpb

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Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

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Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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US-09-825-682a-56.rnpb

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US-09-825-682a-56.rnpb

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Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

US-09-825-682a-56.rnpb

US-09-825-682a-56.rnpb

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.e-60;  
Matches 260; Conservative 0

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Qy        406 CCAAGAGGACT-GGGAGGGAGGAGACTAATGTCGAGCTTTT 451
Db      ; LENGTH: 241
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-076-622-376

RESULT 26
US-09-825-948-15/C
; Sequence 15, Application US/09827948
; Patent No. US20010029034A1
; GENERAL INFORMATION:
; APPLICANT: Gentz, Reiner, L.
; APPLICANT: Hau, Tsu-An
; APPLICANT: Rosen, Craig A.
; APPLICANT: Ni, Jian
; TITLE OF INVENTION: Tissue Factor Pathway Inhibitor-3
; FILE REFERENCE: 1488 11290002
; CURRENT APPLICATION NUMBER: US/09/827,948
; CURRENT FILING DATE: 2001-04-06
; PRIORITY NUMBER: US 09/013,895
; PRIORITY FILING DATE: 1998-01-27
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 15
; LENGTH: 256
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (205)
; OTHER INFORMATION: n is A, T, C, or G
; US-09-827-948-15

Query Match      28.6%;  Score 250;  DB 10;  Length 256;
Best Local Similarity 99.6%;  Pred. No. 1.7e-57;  Matches 250;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;
Matches 250;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

Qy      588 CCTCTGAGCTGCTGGACAGGCCGAGTGTCTCTGATGATTCTTCTCAGGT 647
Db      256 CCTCTGAGCTGCTGGACAGGCCGAGTGTCTCTGATGATTCTTCTCAGGT 197
Qy      648 AGAGTTCTCTGCTTGTGATTCTCATGCTCTGCTTGTCTCATCAGAAGTGT 707
Db      196 AGAGTTCTCTGCTTGTGATTCTCATGCTCTGCTTGTCTCATCAGAAGTGT 137
Qy      708 GGATGCGTTCTTGTGATTTAGTTAAGTATAACAAAGTTTT 767
Db      136 GGAACTGTTCTTGTGATTTAGTTAAGTATAACAAAGTTTT 77
Qy      768 ATTGCACTGAAAGAAUAAAATGACAGTTAAATAAAGGGCTCCCC 827
Db      76 ATTAGCATCTGAAGAAAGTAAATGTTAAGTTAATAAAGGGCTCCCC 17
Qy      828 TTAGATAAA 838
Db      16 TTAGATAAA 5

; RESULT 27
US-10-076-622-376/C
; Sequence 376, Application US/10076622
; Publication No. US20030023136A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121470C7
; CURRENT APPLICATION NUMBER: US/10/076,622
; CURRENT FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 627
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 376

RESULT 29
US-10-007-805-376/C
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-076-622-376

Query Match      27.3%;  Score 238 4;  DB 10;  Length 241;
Best Local Similarity 99.6%;  Pred. No. 2.2e-54;  Matches 239;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;
Matches 239;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

Qy      562 CCTCTGAGCTCTCCATGCGATGGCTGAGCTGAGGAGCCGGAGTTGTCTC 621
Db      241 CCTCTGAGCTCTCCATGCGATGGCTGAGCTGAGGAGCCGGAGTTGTCTC 182
Qy      682 CCTCTGAGCTCTCCATGCGATGGCTGAGCTGAGGAGCCGGAGTTGTCTC 681
Db      181 CCTCTGAGCTCTCCATGCGATGGCTGAGCTGAGGAGCCGGAGTTGTCTC 122
Qy      742 TTCTTGTCTCATCAGAAGTGTGATGTTCTCTGTTGTGTTGTGTTGTGTTGT 741
Db      121 TTCTTGTCTCATCAGAAGTGTGATGTTCTCTGTTGTGTTGTGTTGTGTTGT 62
Qy      742 TTCTTGTCTCATCAGAAGTGTGATGTTCTCTGTTGTGTTGTGTTGTGTTGT 62
Db      61 TTCTTGTCTCATCAGAAGTGTGATGTTCTCTGTTGTGTTGTGTTGTGTTGT 2

; RESULT 29
US-10-007-805-376/C

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Sequence 376, Application US/10007805  
 Patent No. US20020150581A1  
 GENERAL INFORMATION:  
 APPLICANT: Jiang, Yugu  
 APPLICANT: Dillon, Darin C.  
 APPLICANT: Mitcham, Jennifer L.  
 APPLICANT: Xu, Jiangchun  
 APPLICANT: Harlocker, Susan L.  
 APPLICANT: Hepler, William T.  
 APPLICANT: Henderson, Robert A.  
 APPLICANT: Fanger, Gary R.  
 APPLICANT: Vedvick, Thomas S.  
 APPLICANT: Mcneill, Patricia D.  
 APPLICANT: Durham, Margarita  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
 OF INVENTION: AND DIAGNOSIS OF BREAST CANCER  
 FILE REFERENCE: 210121-470010  
 CURRENT APPLICATION NUMBER: US/10/007 805  
 CURRENT FILING DATE: 2001-12-07  
 NUMBER OF SEQ ID NOS: 593  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 376  
 LENGTH: 241  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-10-007-805-376

Query Match 25.9%; Score 226.4; DB 10; Length 287;  
 Best Local Similarity 91.6%; Pred. No. 4.1e-51;  
 Matches 263; Conservative 0; Mismatches 21; Indels 3; Caps 3;

Matches 239; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 562 CCTCTAGAGGCCTCCCTGCCATGGCTGCACTGGCGACGCCCGAGGTGTTCC 621  
 Db 241 CCTCTAGAGGCCTCCCTGCCATGGCTGCACTGGCGACGCCCGAGGTGTTCC 182  
 Qy 622 CGCTGATGATCTCTCCAGTAGATGTTCTGTGTTAGTGTAAATCCATGCC 681  
 Db 181 CGCTGATGATCTCTCCAGTAGATGTTCTGTGTTAGTGTAAATCCATGCC 122  
 Qy 682 TCTTTCTCATCACAGTAGATGTTAGTGTGATGTTAGTGTGATGTTAGTT 741  
 Db 121 TCTTTCTCATCACAGTAGATGTTAGTGTGATGTTAGTGTGATGTTAGTT 62  
 Qy 742 TTTTAACTATTAACAAACTTTATAGTGTGAGTGTGAGTGTGAGTGTGAGTAC 801  
 Db 61 TTTTAACTATTAACAAACTTTATAGTGTGAGTGTGAGTGTGAGTGTGAGTAC 2

RESULT 376  
 US-09-815-343-1258  
 Sequence 1258, Application US/09815343  
 Patent No. US20010055596A1  
 GENERAL INFORMATION:  
 APPLICANT: Meagher, Madeleine  
 APPLICANT: Xu, Jiangchun  
 APPLICANT: King, Gordon E.  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
 TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER  
 FILE REFERENCE: 210121-504  
 CURRENT APPLICATION NUMBER: US/09/815,343  
 CURRENT FILING DATE: 2001-03-22  
 NUMBER OF SEQ ID NOS: 1556  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 1258  
 LENGTH: 287  
 TYPE: DNA  
 ORGANISM: Homo sapien  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1)..(287)  
 OTHER INFORMATION: n = A,T,C or G  
 US-09-815-343-1258

Search completed: May 27, 2003, 09:31:43  
 Job time : 182.45 secs

Run on:	May 27, 2003, 06:18:27 ; Search time 55,3823 Seconds (without alignments)	28	56.6	6.5	245	6	5223482-28
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Scoring table:	Gapop 10.0 , Gapext 1.0	33	55	6.3	185	2	US-08-829-876-76
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Scoring table:	Gapop 10.0 , Gapext 1.0	35	55	6.3	197	2	US-08-829-876-78
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Scoring table:	Gapop 10.0 , Gapext 1.0	38	55	6.3	445	2	US-08-829-876-80
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Scoring table:	Gapop 10.0 , Gapext 1.0	40	55	6.3	445	2	US-08-829-876-84
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Scoring table:	Gapop 10.0 , Gapext 1.0	42	55	6.3	445	2	US-08-829-876-88
Scoring table:	Gapop 10.0 , Gapext 1.0	43	55	6.3	445	2	US-08-829-876-96
Scoring table:	Gapop 10.0 , Gapext 1.0	44	55	6.3	445	2	US-08-829-876-98
Scoring table:	Gapop 10.0 , Gapext 1.0	45	55	6.3	445	2	US-08-829-876-106
Scoring table:	Gapop 10.0 , Gapext 1.0	46	55	6.3	445	4	US-08-829-876-108
Scoring table:	Gapop 10.0 , Gapext 1.0	47	55	6.3	445	4	US-09-234-874A-82
Scoring table:	Gapop 10.0 , Gapext 1.0	48	55	6.3	445	4	US-09-234-874A-84
Scoring table:	Gapop 10.0 , Gapext 1.0	49	55	6.3	445	4	US-09-234-874A-86
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Scoring table:	Gapop 10.0 , Gapext 1.0	51	55	6.3	445	4	US-09-234-874A-96
Scoring table:	Gapop 10.0 , Gapext 1.0	52	55	6.3	445	4	US-09-234-874A-98
Scoring table:	Gapop 10.0 , Gapext 1.0	53	55	6.3	445	4	US-09-234-874A-106
Scoring table:	Gapop 10.0 , Gapext 1.0	54	55	6.2	397	2	US-08-829-876-74
Scoring table:	Gapop 10.0 , Gapext 1.0	55	55	6.2	377	4	US-09-234-874A-74
Scoring table:	Gapop 10.0 , Gapext 1.0	56	55	6.2	399	1	US-07-985-692-1
Scoring table:	Gapop 10.0 , Gapext 1.0	57	54.4	6.2	399	1	US-08-155-331-1
Scoring table:	Gapop 10.0 , Gapext 1.0	58	54.4	6.2	399	1	US-08-155-331-1
Scoring table:	Gapop 10.0 , Gapext 1.0	59	54.4	6.2	399	2	US-08-424-017B-1
Scoring table:	Gapop 10.0 , Gapext 1.0	60	54.4	6.2	399	2	US-08-424-017B-1
Scoring table:	Gapop 10.0 , Gapext 1.0	61	54.4	6.2	3725	1	US-08-424-022-12
Scoring table:	Gapop 10.0 , Gapext 1.0	62	54.4	6.2	3725	1	US-08-424-017B-12
Scoring table:	Gapop 10.0 , Gapext 1.0	63	54.4	6.2	3725	5	PCT-US3-11696-12
Scoring table:	Gapop 10.0 , Gapext 1.0	64	54.4	6.2	3725	5	PCT-US3-11696-12
Scoring table:	Gapop 10.0 , Gapext 1.0	65	52.6	6.0	287	1	US-07-791-213D-82
Scoring table:	Gapop 10.0 , Gapext 1.0	66	52.6	6.0	287	1	US-08-293-150A-82
Scoring table:	Gapop 10.0 , Gapext 1.0	67	51.8	5.9	198	1	US-07-791-213D-12
Scoring table:	Gapop 10.0 , Gapext 1.0	68	51.8	5.9	198	1	US-08-293-150A-12
Scoring table:	Gapop 10.0 , Gapext 1.0	69	51.8	5.9	210	1	US-07-791-213D-11
Scoring table:	Gapop 10.0 , Gapext 1.0	70	51.8	5.9	210	1	US-07-792-387-74
Scoring table:	Gapop 10.0 , Gapext 1.0	71	51.8	5.9	210	1	US-08-431-412-74
Scoring table:	Gapop 10.0 , Gapext 1.0	72	51.8	5.9	210	1	US-08-57-917-74
Scoring table:	Gapop 10.0 , Gapext 1.0	73	51.8	5.9	210	1	US-08-293-150A-11
Scoring table:	Gapop 10.0 , Gapext 1.0	74	51.8	5.9	210	2	US-08-235-151A-24
Scoring table:	Gapop 10.0 , Gapext 1.0	75	51.8	5.9	276	1	US-07-791-213D-95
Scoring table:	Gapop 10.0 , Gapext 1.0	76	51.8	5.9	276	1	US-07-293-150A-95
Scoring table:	Gapop 10.0 , Gapext 1.0	77	51.8	5.9	295	1	US-07-791-213D-85
Scoring table:	Gapop 10.0 , Gapext 1.0	78	51.8	5.9	295	1	US-08-293-150A-85
Scoring table:	Gapop 10.0 , Gapext 1.0	79	51.8	5.9	276	1	US-08-293-150A-86
Scoring table:	Gapop 10.0 , Gapext 1.0	80	51.8	5.9	445	2	US-08-829-876-92
Scoring table:	Gapop 10.0 , Gapext 1.0	81	51.8	5.9	445	2	US-08-829-876-94
Scoring table:	Gapop 10.0 , Gapext 1.0	82	51.8	5.9	445	4	US-09-334-874A-90
Scoring table:	Gapop 10.0 , Gapext 1.0	83	51.8	5.9	445	4	US-09-334-874A-92
Scoring table:	Gapop 10.0 , Gapext 1.0	84	51.8	5.9	445	4	US-09-234-874A-94
Scoring table:	Gapop 10.0 , Gapext 1.0	85	51.8	5.9	287	1	US-07-791-213D-99
Scoring table:	Gapop 10.0 , Gapext 1.0	86	51.6	5.9	287	1	US-08-793-150A-99
Scoring table:	Gapop 10.0 , Gapext 1.0	87	51.6	5.9	287	1	US-08-793-150A-99
Scoring table:	Gapop 10.0 , Gapext 1.0	88	51.2	5.9	153	1	US-07-791-213D-13
Scoring table:	Gapop 10.0 , Gapext 1.0	89	51.2	5.9	153	1	US-07-293-150A-13
Scoring table:	Gapop 10.0 , Gapext 1.0	90	51.2	5.9	153	1	US-07-293-150A-13
Scoring table:	Gapop 10.0 , Gapext 1.0	91	51.2	5.9	349	1	US-07-972-387-3
Scoring table:	Gapop 10.0 , Gapext 1.0	92	51.2	5.9	349	1	US-08-431-412-3
Scoring table:	Gapop 10.0 , Gapext 1.0	93	51.2	5.9	350	1	US-07-791-213D-92
Scoring table:	Gapop 10.0 , Gapext 1.0	94	51.2	5.9	350	1	US-08-293-150A-92
Scoring table:	Gapop 10.0 , Gapext 1.0	95	51.2	5.9	350	1	US-08-293-150A-92
Scoring table:	Gapop 10.0 , Gapext 1.0	96	51.2	5.9	350	1	US-07-791-213D-92
Scoring table:	Gapop 10.0 , Gapext 1.0	97	51.2	5.9	350	1	US-08-293-150A-92
Scoring table:	Gapop 10.0 , Gapext 1.0	98	51.2	5.9	350	1	US-08-293-150A-92
Scoring table:	Gapop 10.0 , Gapext 1.0	99	51.2	5.9	350	1	US-08-293-150A-92
Scoring table:	Gapop 10.0 , Gapext 1.0	100	51.2	5.9	350	1	US-08-293-150A-92

Patent No. 5223482

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Sequence 218, App

Sequence 219, App

Sequence 220, App

Sequence 221, App

## ALIGNMENTS

RESULT 1

US-09-013-896A-1

Sequence 1, Application US/09013896A

Patent No. 626233

GENERAL INFORMATION:

APPLICANT: GENTZ, REINER

TITLE OF INVENTION: TISSUE FACTOR PATHWAY INHIBITOR-3

NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESS:

ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P. L. I. C.

STREET: 1100 NEW YORK AVE., NW, SIE. 600

CITY: WASHINGTON

STATE: DC

ZIP: 20005

COMPUTER REARABLE FORM:

MEDIA TYPE: FLOPPY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/013, 896A

FILING DATE: 4/35

ATTORNEY/AGENT INFORMATION:

NAME: STEFFEL, ERIC K.

REGISTRATION NUMBER: 36,688

REFERENCE/POCKET NUMBER: 1488 1290001

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 1610 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: Linear

MOLECULE TYPE: DNA (genomic)

FEATURE:

NAME/KEY: CDS

LOCATION: 361..1116

FEATURE:

NAME/KEY: sig\_peptide

LOCATION: 361..439

FEATURE:

NAME/KEY: mat\_peptide

LOCATION: 442..1116

US-09-013-896A-1

Query Match

Best Local Similarity 99.9%; Score 862; DB 4; Length 1610;

Matches 873; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 CTCCAGCGATAATGTCAACTATGAGAATACCTGACCGCCACACCGACTGCGCTTG 60

Db 726 CTCCAGCGATAATGTCAACTATGAGAATACCTGACCGCCACACCGACTGCGCTTG 785

QY 61 CGCGCATCTTCCACGGTACTGACTATGAGGAACTGCGGAGAACCTGCAAACTCAT 120

Db 786 CGCGCATCTTCCACGGTACTGACTATGAGGAACTGCGGAGAACCTGCAAACTCAT 845

QY 121 CTAGGAGGCTGGGGGCTAAAGAACAGCTCCCTCTGAGGAGGCCTGATGCTCCG 180

Db 846 CTATGAGGCTGGGGCAATAAGAACAGCTCCCTCTGAGGAGGCCTGATGCTCCG 905

QY 181 CTGCTTCGCCAACCGAGGAACTCCCTGCCTGCCCTGGCTCAAGGGGGTGTGTC 240

Db 906 CTGCTTCGCCAACCGAGGAACTCCCTGCCTGCCCTGGCTCAAGGGGGTGTGTC 965

QY 241 GGGGCTGTCGATGATGCTGTCGATGCTGTCGATGCTGTCGATGCTGTCGATGCTG 300

Db 966 GGGGCTGTCGATGATGCTGTCGATGCTGTCGATGCTGTCGATGCTGTCGATGCTG 1025

QY 301 GGTGACAGGAAACCGAGGAGCCTGGCCCTGGCACCGCTGGACGCTGGATGACCA 360

Db 1026 GGTCGACGGAGAACCGAGGAGCCTGGCCCTGGCACCGCTGGACGCTGGATGACCA 1085

QY 361 GGAGAGCTGGTGAAGACACATATGCTGACGCCCTGTGCCAAAGGACT-GGG 419

Db 1086 GGAGAGCTGGTGAAGACACATATGCTGACGCCCTGTGCCAAAGGACT-GGG 1145

QY 420 AAGGGGAGACTATGCTGAGCTTTAAATAGAGGGATGACTCGATGCTGAGT 479

Db 1146 AAGGGGGAGACTATGCTGAGCTTTAAATAGAGGGATGACTCGATGCTGAGT 1205

Db 1206 GATCATTTGGTGAGCTCTCTGGAGCTGAGTGGCTGAGTGGCTGAGTGGCTGAGT 539

QY 540 GGGGGGGTTCGTTGAGCTTAAATAGAGGGATGACTCGATGCTGAGTGGCTGAGT 599

Db 1266 GGTGAGGTTGCTTGAATGAGCTTCTAGGAGCTCTCTCGATGGCTGAGTGGCTGAGT 1325

QY 600 CAGCAGCCGAGTGTCTTCAGGAGCTCTCTCGATGGCTGAGTGGCTGAGTGGCTGAGT 1385

Db 1326 CAGCAGCCGAGTGTCTTCAGGAGCTCTCTCGATGGCTGAGTGGCTGAGTGGCTGAGT 1505

QY 660 GCTATGTTGAACTCCCTGCTCTCTCATCACAGAAGGTGAGTGGCTGAGTGGCTGAGT 719

Db 1386 GCTATGTTGAACTCCCTGCTCTCTCATCACAGAAGGTGAGTGGCTGAGTGGCTGAGT 1445

QY 720 TTGTTGCTCTGATTTAGTTAGTATAACAAAGTTTATAGCATCTG 779

Db 1446 TTGTTGCTCTGATTTAGTATAACAAAGTTTATAGCATCTG 1505

QY 780 AAAGGGAAGTAAATGACACTTATAAAAGGGCTCCCTTAGATAAT 839

Db 1506 AAAGGAGGAAGTAAATGACACTTATAAAAGGGCTCCCTTAGATAAT 1565

QY 840 TTCAAGTATGCTTCAAAAAAAAGAAAAAA 873

Db 1566 TTCAAGTATGCTTCAAAAAAAAGAAAAAA 1599

QY 241 GGGGCTGTCGATGATGCTGTCGATGCTGTCGATGCTGTCGATGCTGTCG 300

Db 966 GGGGCTGTCGATGATGCTGTCGATGCTGTCGATGCTGTCGATGCTGTCG 1025

QY 301 GGTGACAGGAAACCGAGGAGCCTGGCCCTGGCACCGCTGGACGCTGGATGACCA 360

Db 1026 GGTCGACGGAGAACCGAGGAGCCTGGCCCTGGCACCGCTGGACGCTGGATGACCA 1085

QY 361 GGAGAGCTGGTGAAGACACATATGCTGACGCCCTGTGCCAAAGGACT-GGG 419

Db 1086 GGAGAGCTGGTGAAGACACATATGCTGACGCCCTGTGCCAAAGGACT-GGG 1145

QY 420 AAGGGGAGACTATGCTGAGCTTTAAATAGAGGGATGACTCGATGCTGAGT 479

Db 1146 AAGGGGGAGACTATGCTGAGCTTTAAATAGAGGGATGACTCGATGCTGAGT 1205

Db 1206 GATCATTTGGTGAGCTCTCTGGAGCTGAGTGGCTGAGTGGCTGAGTGGCTGAGT 539

QY 540 GGGGGGGTTCGTTGAGCTTAAATAGAGGGATGACTCGATGCTGAGTGGCTGAGT 599

Db 1266 GGTGAGGTTGCTTGAATGAGCTTCTAGGAGCTCTCTCGATGGCTGAGTGGCTGAGT 1325

QY 600 CAGCAGCCGAGTGTCTTCAGGAGCTCTCTCGATGGCTGAGTGGCTGAGTGGCTGAGT 1385

Db 1326 CAGCAGCCGAGTGTCTTCAGGAGCTCTCTCGATGGCTGAGTGGCTGAGTGGCTGAGT 1505

QY 660 GCTATGTTGAACTCCCTGCTCTCTCATCACAGAAGGTGAGTGGCTGAGTGGCTGAGT 719

Db 1386 GCTATGTTGAACTCCCTGCTCTCTCATCACAGAAGGTGAGTGGCTGAGTGGCTGAGT 1445

QY 720 TTGTTGCTCTGATTTAGTTAGTATAACAAAGTTTATAGCATCTG 779

Db 1446 TTGTTGCTCTGATTTAGTATAACAAAGTTTATAGCATCTG 1505

QY 780 AAAGGGAAGTAAATGACACTTATAAAAGGGCTCCCTTAGATAAT 839

Db 1506 AAAGGAGGAAGTAAATGACACTTATAAAAGGGCTCCCTTAGATAAT 1565

QY 840 TTCAAGTATGCTTCAAAAAAAAGAAAAAA 873

Db 1566 TTCAAGTATGCTTCAAAAAAAAGAAAAAA 1599

RESULT 2

US-09-385-982-492

Sequence 492, Application US/09385982

Patent No. 626234

GENERAL INFORMATION:

APPLICANT: ENDEGE, WILSON O., ET AL.

TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION

FILE REFERENCE: CCDNA-260XX

CURRENT APPLICATION NUMBER: US/09/385, 982

CURRENT FILING DATE: 1999-08-30

EARLIER APPLICATION NUMBER: 09/328, 111

EARLIER FILING DATE: 1999-08-08

EARLIER APPLICATION NUMBER: 60/117, 393

EARLIER FILING DATE: 1999-01-27

EARLIER APPLICATION NUMBER: 60/098, 639

EARLIER FILING DATE: 1998-08-31

NUMBER OF SEQ ID NOS: 54

SEQUENCE: FastSEQ for Windows Version 3.0

SEQ ID NO: 492

LENGTH: 597

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc. feature

LOCATION: (1)..(597)

OTHER INFORMATION: n = A,T,C or G

US-09-385-982-492

Query Match 48.7%; Score 425; DB 4; Length 597;  
 Best Local Similarity 93.3%; Pred. No. 5.7e-100;  
 Matches 460; Conservative 0; Mismatches 31; Indels 2; Gaps 2;

Db 300 GGTGGACGGAGAACAGGAGGCGCCGACCGCTGGAGATGCA 359  
 8 GGGTGGCACGGAGGACGGAGGCGCCGCTGGACGATGAC 67

QY 360 AGGAGACGCTGGTAAAGACACATATGCTGACGGCCCTGGCCAGAGACTGG 418  
 68 AGGGAGCCTGGTAAAGACACATATGCTGACGGCCCTGGCCAGAGACTGG 127

QY 419 GAGGGAGGGAGGAGCTAATGCGAGCTTAAAGAGGGATGACTCGGATGG 478  
 188 TCAATCATTAGGCAGAGCTGTTCTGAGGGTGGAGGCTGCTGGCTGGC 247

QY 539 AGGGAGGGTGTGCTTGAATCCCTAGAGGCTCTCCGATGGCAGAGCTG 598  
 248 ANGAGGGTTGTTGCGAACATCCCTAGAGGCTCTCCGATGGCAGAGCTG 307

QY 599 GGAGCAGCCCGAATGTTGCTTCGCTGGATGTTCTCCAGGAGTGGAGCTG 658  
 308 GCAACACCCCGAGTGGTCTGGATGATGTTCTCAGGATGAGTTCT 367

QY 659 TCTTGTAGTGAATTCACTGCTTCAGACAGAGTGTGTTGGATCTT 717  
 358 TGTCTAATGTAATCCATGCTTCATCACAAATATGGATGGATCGNT 427

QY 718 CTTTGTGCTGATTAATGCTTTRAGATAACAAAGTTTATGACITC 777  
 428 CTTTTGTGCTGATTAATGCTTTRAGATAACAAAGTTTATGACITC 487

QY 778 TGTAGAAGGAA 790  
 488 TTAANAGGGAA 500

RESULT 3

US-08-685-660A-4

; Sequence 4, Application US/08685660A

; Patent No. 5731412

; GENERAL INFORMATION:

; APPLICANT: SHIMOMURA, Takeshi  
 APPLICANT: KAWAGUCHI, Toshiya  
 APPLICANT: KITAMURA, Naomi

; TITLE OF INVENTION: NOVEL PROTEIN DNA CODING FOR SAME

; NUMBER OF SEQUENCES: 7

; CORRESPONDENCE ADDRESS:

ADDRESSEE: SUGHUE, MION, ZINN, MACPEAK & SEAS  
 STREET: 2100 Pennsylvania Avenue, N.W.  
 CITY: Washington  
 STATE: DC  
 COUNTRY: USA  
 ZIP: 20037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy Disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08685660A  
 FILING DATE: 24-JUL-1996  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JPA Hei 7-187134  
 FILING DATE: 24-JUL-1995  
 ATTORNEY/AGENT INFORMATION:

RESULT 4

US-08-971-196-4

; Sequence 4, Application US/08974196

; Patent No. 585396

; GENERAL INFORMATION:

; APPLICANT: SHIMOMURA, Takeshi  
 APPLICANT: KAWAGUCHI, Toshiya  
 APPLICANT: KITAMURA, Naomi

; TITLE OF INVENTION: NOVEL PROTEIN, DNA CODING FOR SAME

; NUMBER OF SEQUENCES: 7

NAME: KIT, Gordon  
 REGISTRATION NUMBER: 30,764  
 REFERENCE/DOCKET NUMBER: Q-42295  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 293-7060  
 TELEFAX: (202) 293-7860

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 759 Base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA to mRNA

ANTI-SENSE: no

ORIGINAL SOURCE: simian peptide

ORGANISM: Homo sapiens

STRAIN: MKN45

FEATURE:  
 NAME/KEY: coding sequence  
 LOCATION: 1 to 759

IDENTIFICATION METHOD: by experiment

NAME/KEY: simian peptide  
 LOCATION: 1 to 81

IDENTIFICATION METHOD: by experiment

NAME/KEY: mature peptide  
 LOCATION: 82 to 759

IDENTIFICATION METHOD: by experiment

US-08-685-660A-4

Query Match 45.1%; Score 394; DB 1; Length 759;  
 Best Local Similarity 100%; Pred. No. 7.2e-92; Mismatches 0; Indels 0; Gaps 0;

Db 1 CTCAGGAGATGTCACATAGAGACTGACGCCAGCAGCTACTGGCCCTG 60  
 366 CTCAGGAGATGTCACATAGAGACTGACGCCAGCAGCTACTGGCCCTG 425

QY 61 CCGTCATCCTCCACGGCTGGACTTGAAGTGGAGGAACTCTGCAATACTGT 120  
 425 CGCTGACCTCCACGCTGGACTTGAAGTGGAGGAACTCTGCAACTCTGCA 485

Db 121 CTATGGAGCTCCGGGAAATAGAACAACTACCGCTGTGAGGAGGCCAGCTGG 180  
 486 CTATGGAGCTCCGGGAAATAGAACAGCTACCGCTGTGAGGAGGCCAGCTGG 545

QY 181 CTCTCTGGCAGAGGGAACTCTCCCTCTGGACCCCTCATGCTTACCTGATCG 300  
 546 CTGCTTCGCCAGCAGGAGATCCTCCCTGGACCCCTGTGCTCAAGGTGGTCTG 605

QY 241 GGCGCTCTGATGGCTCTCTCTGGACCCCTCATGCTTACCTGATCG 300  
 Db 606 GGCGCTCTGATGGCTCTCTGGACCCCTGTGCTCAAGGTGGTCTG 665

QY 301 GGCGCAGGAAACAGGAGGCTGGACCCCTGTGAGCTCCGAGATGAC 360  
 Db 666 GGCGCAGGAAACAGGAGGCTGGACCCCTGTGAGCTCCGAGATGAC 725

QY 361 GGAGCACTGGTAAAGACACATATGCTCTG 394  
 Db 726 GGAGCACTGGTAAAGACACATATGCTCTG 759

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: SUGHRUE, MITON, ZINN, MACPEAK & SEAS  
 STREET: 2100 Pennsylvania Avenue, N.W.  
 CITY: Washington  
 STATE: DC  
 COUNTRY: USA  
 ZIP: 20037

COMPUTER READABLE FORM  
 MEDIUM TYPE: Floppy Disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/974,196  
 FILING DATE:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/585,560  
 FILING DATE: 24-JUL-1995  
 APPLICATION NUMBER: JPA Hei 7-187134  
 FILING DATE: 24-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: KIT, Gordon  
 REGISTRATION NUMBER:  
 REFERENCE/DOCKET NUMBER: Q-12295

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 293-7060  
 TELEFAX: (202) 293-7860  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 759 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA to mRNA  
 ANTI-SENSE: no  
 ORIGINAL SOURCE:  
 ORGANISM: Homo sapiens  
 STRAIN: MN45

FEATURE:  
 NAME/KEY: coding sequence  
 LOCATION: 1 to 759  
 IDENTIFICATION METHOD: by experiment  
 NAME/KEY: signal Peptide  
 LOCATION: 1 to 81  
 IDENTIFICATION METHOD: by experiment  
 NAME/KEY: mature Peptide  
 LOCATION: 82 to 759  
 IDENTIFICATION METHOD: by experiment

US-08-974-196-4

Query Match 45.1%; Score 394; DB 2; Length 759;  
 Best Local Similarity 100.0%; Pred. No. 7.2e-92; Length 759;  
 Matches 394; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTCAGGCGATATGTCAGTAAAGATACTGACCGCCAAACGCCACTACTGGCGCT 60  
 366 CTCAGGCGATATGTCAGTAAAGATACTGACCGCCAAACGCCACTACTGGCGCT 425

QY 61 CCTCGATCCCTCCACGCTGACTCTTGAGCTGAGAGAAGCTCCCTGCAAACTT 120  
 426 CCTCGATCCCTCCACGCTGACTCTTGAGCTGAGAGAAGCTCCCTGCAAACTT 485

QY 121 CTAGGAGCTCCGGGAATAGAACAGCTACCGCTCTGAGGAGCTGATGTCGG 180  
 486 CTAGGAGCGCCGGGAATAGAACAGCTACCGCTCTGAGGAGCTGATGTCGG 545

QY 181 CTCTCGCGCGAGCAGAGAATCTCCCTGCGCTTGCTCAAGGGTGTCTGGC 240

QY 546 CTGCTCGCGCGAGCAGAGAATCTCCCTGCGCTTGCTCAAGGGTGTCTGGC 605

QY 241 GGCGCTTCTCTGAGGCTTGATCCCTCTGGAGCTCATGTCCTACCTGATCG 300

QY 606 GGCGCTGTCGAGGCTTGATCCCTCTGGAGCTCATGTCCTACCTGATCG 665

Db 726 GGAGCAGCTGGTCAAGACATATGCTCTGTA 759

RESULT 5  
 US-09-013-896A-13  
 Sequence 13, Application US/09/013896A

Patent No. 6262233

GENERAL INFORMATION:  
 APPLICANT: GENTZ, REINER  
 TITLE OF INVENTION: TISSUE FACTOR PATHWAY INHIBITOR-3  
 NUMBER OF SEQUENCES: 31  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
 STREET: 1100 NEW YORK AVE., NW, STE. 600  
 CITY: WASHINGTON  
 STATE: DC  
 COUNTRY: US  
 ZIP: 20005

COMPUTER READABLE FORM  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/013,896A  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: SIEFF, ERIC K.  
 CLASSIFICATION: 435  
 REGISTRATION NUMBER: 36,688  
 REFERENCE/DOCKET NUMBER: 1488.1290001

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (301) 309-8304  
 TELEFAX: (301) 309-8439  
 INFORMATION FOR SEQ ID NO: 13:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 287 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)

US-09-013-896A-13

Query Match 32.3%; Score 282.4; DB 4; Length 287;  
 Best Local Similarity 98.6%; Pred. No. 1.9e-63; Length 287;  
 Matches 283; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 AGTCACTGCGCCCTGCGCTGATCCCTCCACCGCTGGTACTTTGACGTGGAGGAAC 105  
 1 ACTACTGGCCCTGCGCTGATCCCTCCACCGCTGGTACTTTGACGTGGAGGAAC 60

Db 106 CTGCGATTAATCTCATGAGGCTCGGGGCAATAAGAACAGCTAACGCTGTGAGGA 165  
 61 CTGCGATTAATCTCATGAGGCTCGGGGCAATAAGAACAGCTAACGCTGTGAGGA 120

Db 61 CTGCGATTAATCTCATGAGGCTCGGGGCAATAAGAACAGCTAACGCTGTGAGGA 120

QY 166 GGCTCGATCTCCGCGCTCTCCGCGAGGAGAATCTCCCTCCCTGCTCAA 225  
 121 GGCTCGATCTCCGCGCTCTCCGCGAGAATCTCCCTCCCTGCTCAA 180

QY 226 GTCGGGGTGTCTGGCGGGCTGTTCTGATGGTGTGACGCTTCTGGAGGCTCA 285  
 181 GNGGGGGTCTCTGGGGCTGTTCTGATGGTGTGACGCTTCTGGAGGCTCA 240

QY 286 GTCGATTAATCTCATGAGGCTCGGGGCAATAAGAACAGCTAACGCTGTGAGGA 332  
 241 GTCGATTAATCTCATGAGGCTCGGGGCAATAAGAACAGCTAACGCTGTGAGGA 287

RESULT 6  
 US-09-013-896A-14/C  
 ; Sequence 14, Application US/09013896A  
 ; Patent No. 6262233  
 ; GENERAL INFORMATION:  
 ; APPLICANT: GENTZ, REINER  
 ; TITLE OF INVENTION: TISSUE FACTOR PATHWAY INHIBITOR-3  
 ; NUMBER OF SEQUENCES: 31  
 ; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
 ; STREET: 1100 NEW YORK AVE., NW, STE. 600  
 ; CITY: WASHINGTON  
 ; STATE: DC  
 ; COUNTRY: US  
 ; ZIP: 20005  
 COMPUTER READABLE FORM:  
 ; COMPUTER: IBM PC compatible  
 ; SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/013,896A  
 ; FILING DATE:  
 ; CLASSIFICATION: 435  
 AUTOMONY/AGENT INFORMATION:  
 ; NAME: STEFFE, ERIC K.  
 ; REGISTRATION NUMBER: 36,688  
 ; REFERENCE/DOCKET NUMBER: 1488.1290001  
 TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (301) 309-8439  
 ; TELEFAX: (301) 309-8439  
 ; INFORMATION FOR SEQ ID NO: 14:  
 SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 273 base pairs  
 ; STRANDEDNESS: single  
 ; TYPE: nucleic acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: DNA (genomic)  
 ; US-09-013-896A-14  
 Query Match  
 Best local Similarity 29.8%; Score 260; DB 4; Length 273;  
 Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;  
 QY 571 GGCTCTCTCCATGCCCTCGAGCTGAGCTGAGGCCGAGTGTTCCTCGCTGATGATTCTCCGAGT 630  
 Db 273 GGCTCTCTCCATGCCCTCGAGCTGAGGCCGAGTGTTCCTCGCTGATGATTCTCCGAGT 214  
 . QY 588 CCTGACTCTGGCAGGCCGAGTGTTCCTCGCTGATGATTCTCCGAGT 647  
 Db 256 CCTGACTCTGGCAGGCCGAGTGTTCCTCGCTGATGATTCTCCGAGT 197  
 . QY 648 AGAGTTTCTTGTCTGATGATTGATCCATGCTCTTCTCATCACAGAAGTGT 707  
 Db 196 AGAGTTTCTTGTCTGATGATTGATCCATGCTCTTCTCATCACAGAAGTGT 137  
 QY 708 GCGATGTTCTTGTCTGATGATTGATGTTTGTAGTAACAAAGTTTT 767  
 Db 76 ATTAGCATCTGGAAAGGAAGTAAAGTACAAGTTAATAAAAGGGCTTCCC 154  
 QY 691 ATCAGAGAATGATGTTGGAATCGTTCTTGTCTGCTGATTTAGT 750  
 Db 153 ATCAGAGAATGATGTTGGAATCGTTCTTGTCTGCTGATTTAGT 94  
 . QY 828 TTAGATAAA 838  
 Db 16 TTAGATAAA 6  
 RESULT 7  
 US-09-013-896A-15/C  
 ; Sequence 15, Application US/09013896A  
 ; Patent No. 6262233  
 ; GENERAL INFORMATION:  
 ; APPLICANT: GENTZ, REINER  
 ; TITLE OF INVENTION: TISSUE FACTOR PATHWAY INHIBITOR-3  
 ; NUMBER OF SEQUENCES: 31  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
 ; STREET: 1100 NEW YORK AVE., NW, STE. 600  
 ; CITY: WASHINGTON  
 ; STATE: DC  
 ; COUNTRY: US  
 ; ZIP: 20005  
 COMPUTER READABLE FORM:  
 ; COMPUTER: IBM PC compatible  
 ; SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/013,896A  
 ; FILING DATE:  
 ; CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 ; NAME: STEFFE, ERIC K.  
 ; REGISTRATION NUMBER: 36,688  
 ; REFERENCE/DOCKET NUMBER: 1488.1290001  
 TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (301) 309-8439  
 ; TELEFAX: (301) 309-8439  
 ; INFORMATION FOR SEQ ID NO: 15:  
 SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 256 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: DNA (genomic)  
 ; US-09-013-896A-15  
 Query Match  
 Best Local Similarity 28.6%; Score 250; DB 4; Length 256;  
 Matches 250; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 588 CCTGACTCTGGCAGGCCGAGTGTTCCTCGCTGATGATTCTCCGAGT 647  
 Db 256 CCTGACTCTGGCAGGCCGAGTGTTCCTCGCTGATGATTCTCCGAGT 197  
 . QY 648 AGAGTTTCTTGTCTGATGATTGATCCATGCTCTTCTCATCACAGAAGTGT 707  
 Db 196 AGAGTTTCTTGTCTGATGATTGATCCATGCTCTTCTCATCACAGAAGTGT 137  
 QY 708 GCGATGTTCTTGTCTGATGATTGATGTTTGTAGTAACAAAGTTTT 767  
 Db 76 ATTAGCATCTGGAAAGGAAGTAAAGTACAAGTTAATAAAAGGGCTTCCC 154  
 QY 691 ATCAGAGAATGATGTTGGAATCGTTCTTGTCTGCTGATTTAGT 750  
 Db 153 ATCAGAGAATGATGTTGGAATCGTTCTTGTCTGCTGATTTAGT 94  
 . QY 828 TTAGATAAA 838  
 Db 16 TTAGATAAA 6  
 RESULT 8  
 US-09-013-896A-17  
 ; Sequence 17, Application US/09013896A  
 ; Patent No. 6262233  
 ; GENERAL INFORMATION:  
 ; APPLICANT: GENTZ, REINER  
 ; TITLE OF INVENTION: TISSUE FACTOR PATHWAY INHIBITOR-3  
 ; NUMBER OF SEQUENCES: 31  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
 ; STREET: 1100 NEW YORK AVE., NW, STE. 600  
 ; CITY: WASHINGTON  
 ; STATE: DC  
 ; COUNTRY: US

```

ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/013,896A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: STEFFE, ERIC K.
REGISTRATION NUMBER: 36,588
REFERENCE/DOCKET NUMBER: 1408.1290001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 201 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-013-896A-17

Query Match 21.5%; Score 188; DB 4; length 201;
Best Local Similarity 99.0%; Pred. No. 2.6e-39; Matches 199; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
QY
310 GAGGACGACAGGAGGTTGCGTCCGAGGAGACAGGAGGACG 369
Db
1 GAGGAGACAGGAGGTTGCGTCCGAGGAGACAGGAGGACG 60
QY
370 GGTGAGGACACATATGCTCTGACCCGCTGCGCAAGGGACT 428
Db
61 GGTGAGGACACATATGCTCTGACCCGCTGCGCAAGGGACT 120
QY
429 GAGACTATGTTGAGCTTTAATAGGGGTGACTCGATTGAGTCATAG 488
Db
121 GAGACTATGTTGAGCTTTAATAGGGGTGACTCGATTGAGTCATAG 180
QY
489 GCTCTGAGGTGTTCTCTGG 509
Db
181 GCTGAGGCTGTTCTCTGG 201
Db

RESULT 9
US-09-014-879A-169

; Sequence 169, Application US/09404879A
; Patent No. 6168546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; CURRENT FILING DATE: 1999-09-24
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 276
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-014-879A-169

Query Match 19.2%; Score 167.4; DB 4; Length 276;
Best Local Similarity 99.4%; Pred. No. 5.7e-34; Matches 168; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY
1 CTCACCGGATTCCTCACTTAAAGAGAACTCCACCCACGGAGTCAGGGCCCTG 60
Db
88 CTCCAGCGATATGTCACATGAAAGTACTGCACGCCAACCGCAGTCACGGCTG 147
QY
61 CGCTGCATCTCCACGGCTGTTACTGACGGGAGGACTCTCTCAATACTTCAT 120
Db
148 CGCTGCATCTCCACGGCTGTTACTGACGGGAGGACTCTCTCAATACTTCAT 207
QY
121 CTATGGAGGCTGCGGCGATAAGAACAGCTACCGCTCTGAGGAGAC 169
Db
208 CTATGGAGGCTGCGGCGATAAGAACAGCTACCGCTCTGAGGAGAC 256

RESULT 10
US-09-404-879A-356
; Sequence 356, Application US/09404879A
; Patent No. 6468546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C2
; CURRENT APPLICATION NUMBER: US/09/0404,879A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 356
; LENGTH: 207
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-404-879A-356

Query Match 19.1%; Score 167; DB 4; length 207;
Best Local Similarity 100.0%; Pred. No. 6.3e-34; Matches 167; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY
1 CTCCAGCGATATGTCACATGAAAGTACTGCACGCCAACCGCAGTCACGGCTG 60
Db
41 CTCCAGCGATATGTCACATGAAAGTACTGCACGCCAACCGCAGTCACGGCTG 100
QY
61 CGCTGCATCTCCACGGCTGTTACTGACGGGAGGACTCTCTCAATACTTCAT 120
Db
101 CGCTGCATCTCCACGGCTGTTACTGACGGGAGGACTCTCTCAATACTTCAT 160
QY
121 CTATGGAGGCTGCGGCGATAAGAACAGCTACCGCTCTGAGGAGAC 167
Db
161 CTATGGAGGCTGCGGCGATAAGAACAGCTACCGCTCTGAGGAGAC 207

RESULT 11
US-09-404-879A-365/c
; Sequence 365, Application US/09404879A
; Patent No. 6468546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C2
; CURRENT APPLICATION NUMBER: US/09/0404,879A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 365
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-404-879A-365

Query Match 19.1%; Score 167; DB 4; Length 371;
Best Local Similarity 100.0%; Pred. No. 8.3e-34;

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Query Match 8.3%; Score 72.8; DB 4; Length 783;  
 Best Local Similarity 61.7%; Pred. No. 1.7e-09; Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 GAAGATACTGCACGCCAACGCGACTGGCTTGCGTGCATCTCCACCGCTTG 82  
 Db 252 GAAGACTACTGCCTGCATCCACAGAAGCTGGCTTGCGTGCATCTCCACCGCTTG 82

QY 83 TACTTGACTGTGAGAGAACTCCGCAACTGCTGCAATTAACCTGATCTATGGAGGCTTG 82  
 Db 312 TACTATGACCCACGGAGCAGATGCAAGAGTTGCTTATGAGGCTTGCGAAC 371

QY 143 AAGGACAGCTACCGCTTGAGGAGCTGCGATGCGCTGCTCCACGAGGAGT 202  
 Db 372 AAGACACTACCTGGAGAAGAGTCATCTACCTGCGTGCACGGCTTG 431

QY 372 AAGACACTACCTGGAGAAGAGTCATCTACCTGCGTGCACGGCTTG 431

QY 203 CCT 205  
 Db 432 CCT 434

RESULT 15  
 US-09-030-607-15  
 Sequence 15, Application US/09030607  
 Patent No. 626245

GENERAL INFORMATION:  
 APPLICANT: Xu, Jiangchun  
 APPLICANT: Dillon, Davin C.  
 APPLICANT: Bilon, David C.  
 TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FOR  
 NUMBER OF SEQUENCES: 224  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: SEED and BERRY LLP  
 STREET: 6100 Columbia Center, 701 Fifth Avenue  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: USA  
 ZIP: 98104

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 PUBLICATION NUMBER: US/09/030,607  
 FILING DATE: 25-FEB-1998  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Mak, David J.

REGISTRATION NUMBER: 31,392  
 REFERENCE/DOCKET NUMBER: 210121.427C3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 622-4900  
 TELEFAX: (206) 682-0315  
 INFORMATION FOR SEQ ID NO: 15:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 783 base Pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 US-09-030-607-15

Query Match 8.3%; Score 72.8; DB 4; Length 783;  
 Best Local Similarity 61.7%; Pred. No. 1.7e-09; Matches 113; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 23 GAAGATACTGCACGCCAACGCGACTGGCTTGCGTGCATCTCCACCGCTTG 82  
 Db 252 GAAGACTACTGCCTGCATCCACAGAAGCTGGCTTGCGTGCATCTCCACCGCTTG 82

QY 83 TACTTGACTGTGAGAGAACTCCGCAACTGCTGCAATTAACCTGATCTATGGAGGCTTG 82  
 Db 312 TACTATGACCCACGGAGCAGATGCAAGAGTTGCTTATGAGGCTTGCGAAC 371

QY 143 AAGGACAGCTACCGCTTGAGGAGCTGCGATGCGCTGCTCCACGAGGAGT 202  
 Db 372 AAGACACTACCTGGAGAAGAGTCATCTACCTGCGTGCACGGCTTG 431

QY 203 CCT 205  
 Db 432 CCT 434

RESULT 15  
 US-09-030-785-15  
 Sequence 15, Application US/09605785  
 Patent No. 6321716

GENERAL INFORMATION:  
 APPLICANT: Xu, Jiangchun  
 APPLICANT: Dillon, Davin C.  
 APPLICANT: Mitcham, Jennifer L.  
 APPLICANT: Harlocke, Susan L.  
 APPLICANT: Jiang, Yuqiu  
 APPLICANT: Henderson, Robert A.  
 APPLICANT: Kalos, Michael D.  
 APPLICANT: Fanger, Gary R.  
 APPLICANT: Petter, Marc W.  
 APPLICANT: Stoik, John A.  
 APPLICANT: Day, Craig H.  
 APPLICANT: Vedrick, Thomas S.  
 APPLICANT: Carter, Barrick  
 APPLICANT: Li, Samuel  
 APPLICANT: Wang, Rijun  
 APPLICANT: Skeiky, Yasir A.W.  
 APPLICANT: Rehler, William  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 NUMBER OF SEQ ID NOS: 835  
 FILE REFERENCE: 210121.427C16  
 CURRENT APPLICATION NUMBER: US/09/605,785  
 CURRENT FILING DATE: 2000-06-27  
 SOFTWARE: FastSEQ for Windows Version 3.0  
 SEQ ID NO 15  
 LENGTH: 783

TYPE: DNA  
 ORGANISM: Homo sapien  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1)..(783)  
 OTHER INFORMATION: n = A,T,C or G  
 US-09-605-785-15

Query Match 8.3%; Score 72.8; DB 4; Length 783;  
 Best Local Similarity 61.7%; Pred. No. 1.7e-09; Matches 113; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 23 GAAGATACTGCACGCCAACGCGACTGGCTTGCGTGCATCTCCACCGCTTG 82  
 Db 252 GAAGACTACTGCCTGCATCCACAGAAGCTGGCTTGCGTGCATCTCCACCGCTTG 82

QY 83 TACTTGACTGTGAGAGAACTCCGCAACTGCTGCAATTAACCTGATCTATGGAGGCTTG 82  
 Db 312 TACTATGACCCACGGAGCAGATGCAAGAGTTGCTTATGAGGCTTGCGAAC 371

QY 143 AAGGACAGCTACCGCTTGAGGAGCTGCGATGCGCTGCTCCACGAGGAGT 202  
 Db 372 AAGACACTACCTGGAGAAGAGTCATCTACCTGCGTGCACGGCTTG 431

QY 203 CCT 205  
 Db 432 CCT 434

RESULT 17  
 US-09-419-313-15

```

; Sequence 15, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlacher, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Katos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Reitter, Mark
; APPLICANT: Soik, John
; APPLICANT: Dav, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42759
; CURRENT APPLICATION NUMBER: US/09439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 783
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(783)
; OTHER INFORMATION: n = A,T,C or G
; US-09-439-313-15

Query Match          8.3%; Score 72.8; DB 4; Length 783;
Best Local Similarity 61.7%; Pred. No. 1.7e-09;
Matches 113; Conservative 0; Mismatches 70; Indels 0; Gaps 0;
Matchs 113; Conservatve 0; Mismatchs 70; Indels 0; Gaps 0;

QY          23 GAGAGATACTGCACCGCACCGAGTCACTGGCCCTGGCGTGCATCTCCACAGCTGG 82
Db          252 GAGAGACTCTGCATGCCAACGAGTCACTGGCCCTGGCGTGCATCTCCACAGCTGG 311
QY          83 TACTTACGAGGAGAGAACTCTGCAATACTCTGATATGGGGTGTGTTATGGAGGCTGCAAC 142
Db          312 TACTATGACCCACGGAGCAGATCTGCAAGAGTTGCTGTTATGGAGGCTGCTGGCAAC 371
QY          143 AACACACGTACCGTCTCAGAGGAGCTGCTGTCGCGCTGCTCCGCACAGGAAAT 202
Db          372 AAGACACTACCTCGGGAGAGAGTCATTCATTCCTGCTGCGCTGCTGGCAAC 431
QY          203 CCT 205
Db          432 CCT 434

RESULT 19
; Sequence 15, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; FILE REFERENCE: 210121.4226
; CURRENT APPLICATION NUMBER: US/09/232.149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 783
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(783)
; OTHER INFORMATION: n = A,T,C or G
; US-09-232-149A-15

Query Match          8.3%; Score 72.8; DB 4; Length 783;
Best Local Similarity 61.7%; Pred. No. 1.7e-09;
Matches 113; Conservative 0; Mismatches 70; Indels 0; Gaps 0;
Matchs 113; Conservatve 0; Mismatchs 70; Indels 0; Gaps 0;

QY          23 GAGAGATACTGCACCCACCGAGTCACTGGCCCTGGCGTGCATCTCCACAGCTGG 82
Db          252 GAGAGACTCTGCATGCCAACGAGTCACTGGCCCTGGCGTGCATCTCCACAGCTGG 311
QY          83 TACTTACGAGGAGAGAACTCTGCAATACTCTGATATGGGGTGTGTTATGGAGGCTGCAAC 142
Db          312 TACTATGACCCACGGAGCAGATCTGCAAGAGTTGCTGCTGTTATGGAGGCTGCTGGCAAC 371
QY          143 AACACACGTACCGCCTGAGGAGCTGCTGTCGCGCTGCTCCGCACAGGAAAT 202
Db          372 AAGACACTACCTCGGGAGAGAGTCATTCATTCCTGCTGCGCTGCTGGCAAC 431
QY          203 CCT 205
Db          432 CCT 434

RESULT 18
; Sequence 15, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlacher, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; APPLICANT: Fanger, Gary
; APPLICANT: Reitter, Mark
; APPLICANT: Soik, John
; APPLICANT: Harlacher, Susan Louise
; APPLICANT: Mitcham, Jennifer Lynn
; APPLICANT: Dillon, Davin C.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.4226
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 783
; TYPE: DNA
; ORGANISM: Homo sapien

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RESULT 20  
 US-08-685-558A-8  
 ; Sequence 8, Application US/08685558A  
 ; Patent No. 6225081  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SHIMOMURA, Takeshi  
 ; APPLICANT: KAWAGUCHI, Toshiya  
 ; APPLICANT: KITAMURA, Naomi  
 ; APPLICANT: MIYAZAWA, Keiji  
 ; TITLE OF INVENTION: NOVEL PROTEIN, DNA CODING FOR SAME  
 ; TITLE OF INVENTION: AND METHOD OF PRODUCING THE PROTEIN  
 ; NUMBER OF SEQUENCES: 18  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS  
 ; STREET: 2100 Pennsylvania Avenue, N.W.  
 ; CITY: Washington  
 ; STATE: DC  
 ; COUNTRY: USA  
 ZIP: 20037  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy Disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/685,558A  
 ; FILING DATE: 24-JUL-1996  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: JPA Hei 7-157135  
 ; FILING DATE: 24-JUL-1995  
 ; INFORMATION FOR SEQ ID NO: 8:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1542 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: double  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: cDNA to mRNA  
 ; ANTI-SENSE: no  
 ; FEATURE:  
 ; NAME/KEY: coding sequence  
 ; LOCATION: 1 to 1542  
 ; IDENTIFICATION METHOD: by experiment  
 ; NAME/KEY: signal Peptide  
 ; LOCATION: 1 to 105  
 ; IDENTIFICATION METHOD: by experiment  
 ; NAME/KEY: mature Peptide  
 ; LOCATION: 106 to 1542  
 ; IDENTIFICATION METHOD: by experiment  
 ; US-08-685-558A-8  
 ; Query Match 8 28; Score 71.4; DB 4; Length 1542;  
 ; Best Local Similarity 65.2%; Pred. No. 5.2e-09; Length 1542;  
 ; Matches 105; Conservative 0; Mismatches 56; Indels 0; Gaps 0;  
 ; Qy 23 GAAGATACTGACCGCAACGAGCTACTGGCTTGCGCTGCGGGGCGTTCCACGGCTG 798  
 ; Db 739 GAGAGTACTGCCTCGATCCACAGGGTGGTGCCTCCACGGCTTCCACGGCTG 798  
 ; Qy 83 TACTTGACGTGGAGAGAACTCCGCAACTAATTCATCTATGGAGGCTGCCCGGGCAAT 142  
 ; Db 799 TACTATGCCACGGAGATCTGCAGAGTTCTGTTATGGAGGCTGCTGGCAC 858  
 ; Qy 143 AGAGAGTACGTACGGCTGAGAGGGTGTGATGTCCTCGCTG 183  
 ; Db 859 AAGAACAACTACCTTCGGGAGAGAGTCATTCAGCTG 899  
 ; RESULT 22  
 ; US-09-071-709-6  
 ; Sequence 6, Application US/09071709  
 ; Patent No. 6171790  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hillman, Jennifer L.  
 ; APPLICANT: Tang, Y. Tom  
 ; APPLICANT: Lal, Preeti  
 ; APPLICANT: Corley, Neil C.  
 ; APPLICANT: Gieseler, Karl J.  
 ; APPLICANT: Patterson, Chandra  
 ; TITLE OF INVENTION: HUMAN PROTEASE ASSOCIATED PROTEINS  
 ; NUMBER OF SEQUENCES: 12  
 ; CORRESPONDENCE ADDRESS:  
 ; Patent No. 6465622  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SHIMOMURA, Takeshi  
 ; APPLICANT: KAWAGUCHI, Toshiya  
 ; APPLICANT: KITAMURA, Naomi  
 ; APPLICANT: MIYAZAWA, Keiji  
 ; TITLE OF INVENTION: NOVEL PROTEIN, DNA CODING FOR SAME  
 ; NUMBER OF SEQUENCES: 18  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS  
 ; STREET: 2100 Pennsylvania Avenue, N.W.  
 ; CITY: Washington  
 ; STATE: DC  
 ; COUNTRY: USA  
 ZIP: 20037  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy Disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/765,449  
 ; FILING DATE: 22-Jan-2001  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/685,558  
 ; FILING DATE: <unknown>  
 ; INFORMATION FOR SEQ ID NO: 8  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1542 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: double  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: cDNA to mRNA  
 ; ANTI-SENSE: no  
 ; FEATURE:  
 ; NAME/KEY: coding sequence  
 ; LOCATION: 1 to 1542  
 ; IDENTIFICATION METHOD: by experiment  
 ; NAME/KEY: signal Peptide  
 ; LOCATION: 1 to 105  
 ; IDENTIFICATION METHOD: by experiment  
 ; NAME/KEY: mature Peptide  
 ; LOCATION: 106 to 1542  
 ; IDENTIFICATION METHOD: by experiment  
 ; US-09-765-449-8  
 ; Query Match 8 28; Score 71.4; DB 4; Length 1542;  
 ; Best Local Similarity 65.2%; Pred. No. 5.2e-09; Length 1542;  
 ; Matches 105; Conservative 0; Mismatches 56; Indels 0; Gaps 0;  
 ; Qy 23 GAAGATACTGACCGCAACGAGCTACTGGCTTGCGCTGCGGGGCGTTCCACGGCTG 798  
 ; Db 739 GAGAGTACTGCCTCGATCCACAGGGTGGTGCCTCCACGGCTTCCACGGCTG 798  
 ; Qy 83 TACTTGACGTGGAGAGAACTCCGCAACTAATTCATCTATGGAGGCTGCCCGGGCAAT 142  
 ; Db 799 TACTATGCCACGGAGATCTGCAGAGTTCTGTTATGGAGGCTGCTGGCAC 858  
 ; Qy 143 AGAGAGTACGTACGGCTGAGAGGGTGTGATGTCCTCGCTG 183  
 ; Db 859 AAGAACAACTACCTTCGGGAGAGAGTCATTCAGCTG 899  
 ; RESULT 22  
 ; US-09-071-709-6  
 ; Sequence 6, Application US/09071709  
 ; Patent No. 6171790  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hillman, Jennifer L.  
 ; APPLICANT: Tang, Y. Tom  
 ; APPLICANT: Lal, Preeti  
 ; APPLICANT: Corley, Neil C.  
 ; APPLICANT: Gieseler, Karl J.  
 ; APPLICANT: Patterson, Chandra  
 ; TITLE OF INVENTION: HUMAN PROTEASE ASSOCIATED PROTEINS  
 ; NUMBER OF SEQUENCES: 12  
 ; CORRESPONDENCE ADDRESS:





Matches 95; Conservative 0; Mismatches 64; Indels 0; Gaps 0;  
 Query 3.2 TGCACGCCAACGAGACTGGCTTGGCTGCATCTTCCAGCTGACTTGTAC 91  
 Db 71 TGCCTGACGAGCTGAGACTGGCTGCCTGCGCTGCAATGATCTCCGCTGTACTTGT 130  
 Query 92 GTGCGACGAGACTCTGAGCTAATCTGAGGAGCTGGGGACAAATAGAAC 151  
 Db 131 GTGACTGAAAGTGAATGCTGCGCTCAATCTTACGCGGTTGGGGCGAACCGTAAC 190  
 Query 152 TACGGCTCTGAGGAGCCGATGCTGCGCTTACGCGGTTGGGGCGAACCGTAAC 190  
 Db 191 TTTGACACTGAGACTGCTGCGCTGCGCGAC 229  
 RESULT 29  
 US-08-829-876-100  
 ; Sequence 100, Application US/08829876  
 ; Patent No. 5943265  
 ; GENERAL INFORMATION:  
 ; APPLICANT: White, Tyler R.  
 ; APPLICANT: Damm, Deborah  
 ; APPLICANT: Leiskar, David D.  
 ; APPLICANT: McFadden, Kathleen  
 ; APPLICANT: Garrick, Brett L.  
 ; TITLE OF INVENTION: PROTEASE INHIBITOR PEPTIDES  
 ; NUMBER OF SEQUENCES: 228  
 ; NUMBER OF INVENTION: PROTEASE INHIBITOR PEPTIDES  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Foley & Lardner  
 ; STREET: 3000 K Street, N.W., Suite 500  
 ; CITY: Washington  
 ; STATE: D.C.  
 ; ZIP: 20007-5109  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/829,876  
 ; FILING DATE:  
 ; CLASIFICATION:  
 ; PRIORITY APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/436,555  
 ; FILING DATE: 08-MAY-1995  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Peltz, Don J.  
 ; REGISTRATION NUMBER: 33,754  
 ; REFERENCE/DOCKET NUMBER: 56324/106/SCNO  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (202)672-5300  
 ; TELEFAX: (202)672-5399  
 ; TELEX: 904136  
 ; INFORMATION FOR SEQ ID NO: 100:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 704 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: DNA (genomic)  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: 1..699  
 ; US-08-829-876-100  
 ; Query Match 6.4%; Score 55.8; DB 2; Length 704;  
 ; Best Local Similarity 58.9%; Pred. No. 3.6e-05;  
 ; Matches 96; Conservative 0; Mismatches 67; Indels 0; Gaps 0;  
 ; Query 13 GTGCAACTGAGAAATGACGCCAACGGCTGACTGGCTTGCGTGCATCTT 72  
 ; Db 73 CCCAGCTGACTTCTGAGGAGACTCTGCAATACTCATATGAGAGCTG 132  
 ; Db 51 GTGACCAAGCGGAGTGTCTCGACAGAGCTGGCTGCGCTGATGAT 110  
 ; Query 171 CGCGCGCACCGTAACACTTGACAGAGTACTGATGAGAGCTG 213  
 ; Db 133 CGGGGCAATAGAAAGCTACCCCTGAGGGCTGAGCTG 175  
 ; Db 111 CTCCGCGTGGACTTGAGCTGCGCTGCACATCTTACGGCGTG 170  
 ; Query 73 CCCAGCTGACTTCTGAGGAGACTCTGCAATACTCATATGAGAGCTG 132  
 ; Db 111 CTCCGCGTGGACTTGAGCTGCGCTGCACATCTTACGGCGTG 170  
 ; RESULT 30  
 ; Sequence 101, Application US/08829876  
 ; Patent No. 5962366  
 ; GENERAL INFORMATION:  
 ; APPLICANT: White, Tyler R.  
 ; APPLICANT: Damm, Deborah  
 ; APPLICANT: Lesiar, David D.  
 ; APPLICANT: McFadden, Kathleen  
 ; APPLICANT: Garrick, Brett L.  
 ; TITLE OF INVENTION: PROTEASE INHIBITOR PEPTIDES  
 ; NUMBER OF SEQUENCES: 228  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Foley & Lardner  
 ; STREET: 3000 K Street, N.W., Suite 500  
 ; CITY: Washington  
 ; STATE: D.C.  
 ; ZIP: 20007-5109  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/829,876  
 ; FILING DATE:  
 ; CLASIFICATION:  
 ; PRIORITY APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/436,555  
 ; FILING DATE: 08-MAY-1995  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Peltz, Don J.  
 ; REGISTRATION NUMBER: 33,754  
 ; REFERENCE/DOCKET NUMBER: 56324/106/SCNO  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (202)672-5300  
 ; TELEFAX: (202)672-5399  
 ; TELEX: 904136  
 ; INFORMATION FOR SEQ ID NO: 104:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 704 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: DNA (genomic)  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: 1..699  
 ; US-08-829-876-104  
 ; Query Match 6.4%; Score 55.8; DB 2; Length 704;  
 ; Best Local Similarity 58.9%; Pred. No. 3.6e-05;  
 ; Matches 96; Conservative 0; Mismatches 67; Indels 0; Gaps 0;

QY 133 CCGGGCAATAGAAGCTACCGCTCTGGAGGAGGCTCTGATG 175  
 DB 171 CGGGCAACGTAACGTTGAGCTGAGAGATGAGCTGCTGCTG 213

Search completed: May 27, 2003, 08:04:27  
Job time : 57.3823 secs

QY  
133 CCGGGCAATAGAAGCTACCGCTCTGGAGGAGGCTCTGATG 175  
141 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
171 CGGGCAACGTAACGTTACGTTGACGTTGAGATGATGCTG 213  
DB

Search completed: May 27, 2003, 08:04:27  
Job time : 57.3823 secs

GenCore Version 5.1.6									
Om nucleic - nucleic search, using sw mode!									
Run On: May 27, 2003, 06:18:27 ; Search time 20:6177 Seconds (without alignments)									
Scoring table: IDENTITY_NUC	Score: 325	Sequence: 1aaugagggggcggcgggct.....gtaaaaaaaaaaaaaa	Length: 325	DB: 4834.194	Match: 100%	Cell updates/sec: 4 Million	Time: 20:6177	Alignments: 1	Score: 325
Result No.	Score	Query	Length	DB	ID	Description	Time	Alignments	Score
1	307.4	94.6	2430	2	US-08-488-199-3	Sequence 3, AppI	10:09:18	1	307.4
2	285.8	87.9	4797	4	US-08-643-597-134	Sequence 134, AppI	10:09:18	1	285.8
3	113	34.8	26700	1	US-08-472-217-1	Sequence 1, AppI	10:09:18	1	113
4	113	34.8	26700	2	US-08-488-199-5	Sequence 5, AppI	10:09:18	1	113
5	113	34.8	26700	3	US-08-488-199-1	Sequence 1, AppI	10:09:18	1	113
6	112.6	34.6	2432	1	US-08-078-683A-1	Sequence 5, AppI	10:09:18	1	112.6
7	38.8	11.9	958	2	US-08-757-046A-5	Sequence 5, AppI	10:09:18	1	38.8
8	38.8	11.9	958	3	US-09-447-208-5	Sequence 5, AppI	10:09:18	1	38.8
9	38.8	11.9	958	3	US-09-155-988-5	Sequence 5, AppI	10:09:18	1	38.8
10	38.8	11.9	958	4	US-09-277-716-5	Sequence 5, AppI	10:09:18	1	38.8
11	38.8	11.9	958	4	US-08-597-274A-5	Sequence 5, AppI	10:09:18	1	38.8
12	38.8	11.9	958	4	US-08-908-909-5	Sequence 5, AppI	10:09:18	1	38.8
13	38.8	11.9	958	4	US-09-609-161B-5	Sequence 5, AppI	10:09:18	1	38.8
14	38.8	11.9	958	4	US-08-990-03-5	Sequence 5, AppI	10:09:18	1	38.8
15	38.4	11.8	8920	2	US-08-446-855A-1	Sequence 5, AppI	10:09:18	1	38.4
16	38.4	11.8	8920	4	US-09-150-741-1	Sequence 1, AppI	10:09:18	1	38.4
17	11.4	1332	2	US-09-577-762-1	Sequence 1, AppI	10:09:18	1	11.4	
18	38.2	11.8	1332	3	US-08-326-119A-1	Sequence 1, AppI	10:09:18	1	38.2
19	37.6	11.6	1260	1	US-08-599-252-9	Sequence 79, AppI	10:09:18	1	37.6
20	37.6	11.6	1260	1	US-08-436-074-5	Sequence 52, AppI	10:09:18	1	37.6
21	37.6	11.6	1260	5	PCT-US96-06352-79	Sequence 79, AppI	10:09:18	1	37.6
22	37.6	11.6	1260	5	PCT-US96-06352-79	Sequence 79, AppI	10:09:18	1	37.6
23	37	988	1	US-08-684-862-1	Sequence 10, AppI	10:09:18	1	37	
24	36.4	11.2	579	4	US-09-040-984-75	Sequence 75, AppI	10:09:18	1	36.4
25	36.4	11.2	579	4	US-09-123-912-75	Sequence 75, AppI	10:09:18	1	36.4
26	11.1	579	4	US-09-643-597-75	Sequence 75, AppI	10:09:18	1	11.1	
27	4257	2	US-08-690-473-1		Sequence 1, AppI	10:09:18	1	4257	

## ALIGNMENTS

US-08-4892-196-3

Sequence 3, Application US/084888199  
Patent No. 5,851,933  
GENERAL INFORMATION:  
APPLICANT: Jalkanen, Markku  
TITLE OF INVENTION: Suppression of Tumor Cell Growth By  
NUMBER OF SEQNCESES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: STEINE, KASSLER, GOLDSHEIN & FOX  
STREET: 1100 New York Ave., NW  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/448,199  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 514  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/258,862  
FILING DATE: 13-JUN-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Clima, Michele A.  
REGISTRATION NUMBER: 33,851  
REFERENCE/DOCKET NUMBER: 1102-0130001  
TELECOMMUNICATION INFORMATION:  
TELEFAX: 202-371-2400  
TELEPHONE: 202-371-2400  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2430 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: both  
TOPOLOGY: both  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 11..(4797)  
SEQ ID NO: 134  
LENGTH: 4797  
TYPE: DNA  
ORGANISM: Homo sapien  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(4797)  
OTHER INFORMATION: n = A,T,C or G  
US-09-643-597-134  
Query Match 87.9%; Score 285.8; DB 4; Length 4797;  
Best Local Similarity 96.1%; Pred. No. 1.4e-57;  
Matches 293; Conservative 0; Mismatches 12; Indels 0; Gaps 0;  
Qy 4 GAGGCGCGCAGGGCCTGGAGATCCTCCGACGACACGCGCCTGCGCTGGCGCCG 63  
Db 3765 GAGGGCGCAGGGCTGAGATCCTCCGAGGCTCACGCCGCTCCGTGGCCCG 3824  
Qy 64 TCTCCAGGGGTCTCCCTCTGAAATTGAGGGGTCTGGGGAGACCTGGCT 123  
Db 3825 TCTCCAGGGGTCTCCCTCTGAAATTGAGGGGTCTGGGGAGACCTGGCT 3884  
Qy 124 GAGGCCCTCATCCAGGCGAGGTCTCGTGTAGCTCTGGCCACCTCTG 183  
Db 3885 GAGGCCCTCATCCAGGCGAGGTCTCGTGTAGCTCTGGCCACCTCTG 3944  
Qy 184 GGCCTGAAATCAGGAATTTCAGAAGAGTGTAGTGTCTTGCTTGGCAAACCTAC 243  
Db 3945 GGCCTGAAATCAGGAATTTCAGAAGAGTGTAGTGTCTTGCTTGGCAAACCTAC 4004  
Qy 2159 TCTCCAGGGGTCTCCCTCTGAAATTGAGGGGTCTGGGGAGACCTGGCT 2218  
Db 2219 GAGCCGCTCCATCCAGGCGAGGTCTCGTGTAGCTCTGGCCACCTGGCCCG 2278  
Qy 184 GGCCTGAAATCAGGAATTTCAGAAGAGTGTAGTGTCTTGCTTGGCAAACCTAC 243  
Db 2279 GGCCTGAAATCAGGAATTTCAGAAGAGTGTAGTGTCTTGCTTGGCAAACCTAC 2338  
Qy 244 TAACTCCATGGGTTCCTGAGACTAGATTTCAGAATGTTGCTTGGCAAACCTAC 303  
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Qy 304 AAGTA 308  
Db 4065 AAGTA 4069  
RESULT 3  
; Sequence 1, Application US/08472217  
US-08-472-217-1



RESULT 5  
US-08-760-534A-1  
; Sequence 1, Application US/08760534A  
; Patent No. 6017727

; GENERAL INFORMATION:  
; APPLICANT: JALKANEN, MARKKU  
; APPLICANT: JAKKOLA, PAULI  
; APPLICANT: VILHINEN, TAPANI  
; TITLE OF INVENTION: SYNDECAN ENHANCER ELEMENT AND SYNDECAN  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
; STREET: 110 NEW YORK AVENUE, SUITE 600  
; CITY: WASHINGTON  
; STATE: DC  
; COUNTRY: US  
; ZIP: 20005-3934

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, version #1.30

CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08760-534A  
; FILING DATE: 02-DEC-1996  
; CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/206,186  
; FILING DATE: 07-MAR-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/F193/00514  
; FILING DATE: 01-DEC-1993

ATTORNEY/AGENT INFORMATION:  
; NAME: CIMBALA, MICHELE A.  
; REGISTRATION NUMBER: 33,851  
; REFERENCE/DOCKET NUMBER: 1708.0050004/MAC

TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 371-2500  
; TELEFAX: (202) 371-2500

INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCING CHARACTERISTICS:  
; LENGTH: 26700 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: join(4378..4443, 22026..22106, 23001..23483,  
; LOCATION: 23905..24039, 24251..24418)  
; US-08-760-534A-1

RESULT 6  
US-08-078-683A-1  
; Sequence 1, Application US/08078683A  
; Patent No. 5468599

; GENERAL INFORMATION:  
; APPLICANT: Saunders, Scott  
; APPLICANT: Bernfield, Merton  
; APPLICANT: Kato, Masato  
; TITLE OF INVENTION: Construction and Use of Synthetic  
; NUMBER OF SEQUENCES: 43  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LARIVE & COCKFIELD  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII (text)

CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/078,683A  
; FILING DATE: 17-JUN-1993  
; CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:  
; NAME: Vincent, Matthew P.  
; REGISTRATION NUMBER: 36,709  
; REFERENCE/DOCKET NUMBER: CME-062  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2432 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 240..1175

FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 305..306

OTHER INFORMATION: /function= "Exon 1/Exon2 boundary"

Query Match 34.8% Score 113; DB 3; Length 25700;  
Best Local Similarity 76.2%; Pred. No. 6.89-21;  
Matches 208; Conservative 0; Mismatches 50; Indels 15; Gaps 5;

QY 96 GACGGGTCCTGGCAGACTGCTGAGGCCATCCAGGCCAGTCGCCCT 155  
Db 25478 AAGACACATCTTGAGTATGGCTGCACAG-GTTCCTCATCAAGAACCTGACACTTC 25536

QY 156 AGCTCTGCTGGCCCAACCCGGCCCTGGATCAGGAATATTCTCAAAGAGTGA 215  
Db 25537 AGTCCTGCGGCC----GCCCAAGCTGGAGTCAGAAATGTTCCGAAAGGTG- 25589

QY 216 TAGCTTGTGTTGCAAACCTCTTATCCAAATGGTTTCTCTGACAGTAGA 275  
Db 25590 -AGCTTGTGTTGCAARACCTTATCCATGGT----TCTGTACAGTA 25643

QY 276 TTTTCAATGTAATAACTTATAAAGGA 308  
Db 25644 TTTCAGATGTAATAACTTATAAAGGA 25676

QY 276 TTTCAGATGTAATAACTTATAAAGGA 308  
Db 25644 TTTCAGATGTAATAACTTATAAAGGA 25676

QY 276 TTTCAGATGTAATAACTTATAAAGGA 308  
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QY 216 TAGCTTGTGTTGCAAACCTCTTATCCAAATGGTTTCTCTGACAGTAGA 275  
Db 25590 AGCTTGTGTTGCAAACCTACTAATCCAAATGGTTTCTCTGACAGTAGA 25643

QY 276 TTTCAGATGTAATAACTTATAAAGGA 308  
Db 25644 TTTCAGATGTAATAACTTATAAAGGA 25676

FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: 389..390  
 OTHER INFORMATION: /function= "Exon 2/Exon 3 boundary"

FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: 869..870  
 OTHER INFORMATION: /function= "Exon 3/Exon 4 boundary"

US-08-078-683A-1

Query Match 34.6%; Score 112.6; DB 1; Length 2432;  
 Best Local Similarity 76.4%; Pred. No. 3.5e-21;  
 Matches 207; Conservative 0; Mismatches 49; Indels 15; Gaps 5;

QY 36 GACCCGCCGCTCTGCCTGGCCCGTCCAGGGCTGCTCCCTGGAATGAC 95  
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 Db 2176 GCCCCAGCTCTCCACCTTGGACACCTCA-GCACTCTCTCCGGAGATGAC 2234  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 QY 96 GAGGGGTGCTGGAGAGGGCTCTGAGCCCTCATCAGAGCAGTCTCGGT 155  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 2235 AAGACACATCTGAGATGGCTGGACTG-GTTCCTCATGAGACAGTCACCTC 2293  
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 QY 156 AGCTCTGCGGCCACCTGGCCCTGGCTGGAACAGAAATTCTCAAAGACTGA 215  
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 Db 2294 AGCTCTGCGGCCCTGGACCTGGCTGAGCTGAGAATGAGTCTCCAAAGACTG 2346  
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 QY 216 TAGCTTGTGTTGGAAACTCTACTTAATCCAAAGGTTTCCTGTACAGTGA 275  
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 Db 2347 -AGCTTGTGTTGCAAAACGCTACTAATCCAAAGGTTTCCTGTACAGTGA 2400  
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 QY 276 TTTCCTCAAATGTTAACTTAATATAAG 306  
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 Db 2401 TTTCAGATGTTAACTTATAAG 2431  
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RESULT 7 US-08-757-046A-5

Sequence 5, Application US/08757046A  
 Patent No. 5876935  
 GENERAL INFORMATION:  
 APPLICANT: Bayan, Bruce  
 TITLE OF INVENTION: BIOLUMINESCENT ARTICLES OF MANUFACTURE  
 NUMBER OF SEQUENCES: 14  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Brown, Martin, Haller & McClain  
 STREET: 1650 Union Street  
 CITY: San Diego  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 92101-2925  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ Version 1.5  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/757,046A  
 FILING DATE: 11-25-96  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/597,274  
 FILING DATE: 02-06-96  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Seidman, Stephanie L  
 REGISTRATION NUMBER: 33,779  
 REFERENCE/DOCKET NUMBER: 6880-105B  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 619-238-0999  
 TELEFAX: 619-238-0062  
 TELE:  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 953 base pairs

RESULT 7 US-08-757-046A-5

Sequence 5, Application US/08757046A  
 Patent No. 5876935  
 GENERAL INFORMATION:  
 APPLICANT: Bayan, Bruce  
 TITLE OF INVENTION: BIOLUMINESCENT ARTICLES OF MANUFACTURE  
 NUMBER OF SEQUENCES: 14  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Heller Ehman White & McAuliffe  
 STREET: 4250 Executive Square, 7th Floor  
 CITY: La Jolla  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 92037  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ Version 1.5  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/757,046A  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/597,274  
 FILING DATE: 02-06-96  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/757,046A  
 FILING DATE: 11-25-96  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/597,274  
 FILING DATE: 02-06-96  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Seidman, Stephanie L  
 REGISTRATION NUMBER: 33,779  
 REFERENCE/DOCKET NUMBER: 6880-105B

RESULT 8 US-09-447-208-5

Sequence 5, Application US/09447208  
 Patent No. 611386  
 GENERAL INFORMATION:  
 APPLICANT: Bryan, Bruce  
 TITLE OF INVENTION: BIOLUMINESCENT ARTICLES OF MANUFACTURE  
 NUMBER OF SEQUENCES: 14  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Heller Ehman White & McAuliffe  
 STREET: 4250 Executive Square, 7th Floor  
 CITY: La Jolla  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 92037  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ Version 1.5  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/447,208A  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/09/135,988  
 FILING DATE: 08-17-98  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/597,274  
 FILING DATE: 02-06-96  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Seidman, Stephanie L  
 REGISTRATION NUMBER: 33,779  
 REFERENCE/DOCKET NUMBER: 24727-105C



PATENT DOCUMENT NUMBER: 5,093,240  
 PATENT FILING DATE: 1987-08-08  
 PUBLICATION DATE: 1992-03-03  
 PUBLICATION INFORMATION:  
 AUTHORS: Inouye, S.  
 TIME: Cloning and sequence analysis of cDNA for the luminescent protein  
 JOURNAL: Proc. Natl. Acad. Sci. U.S.A.  
 VOLUME: 82(10)  
 PAGES: 3154-3158  
 DATE: 1985-05  
 US-09-277-716-5

RESULT 11  
 Query Match 11.9%; Score 38.8; DB 4; Length 958;  
 Best local Similarity 58.8%; Pred. No. 0.16;  
 Matches 67; Conservative 0; Mismatches 47; Indels 0; Gaps 0;  
 Patent No. 624795  
 GENERAL INFORMATION:  
 APPLICANT: Bryan, Bruce  
 TITLE OF INVENTION: BIOLUMINESCENT NOVELTY ITEMS  
 NUMBER OF SEQUENCES: 14  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Brown, Martin, Haller & McClain  
 STREET: 1660 Union Street  
 CITY: San Diego  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 92101-2926  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ Version 1.5  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/597,274A  
 FILING DATE: 02/06/96  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Seidman, Stephanie L.  
 REGISTRATION NUMBER: 33,779  
 REFERENCE/DOCKET NUMBER: 6680-105  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 619-238-0999  
 TELEFAX: 619-238-0062  
 TELEX:  
 INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 958 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FRAGMENT TYPE:  
 ORIGINAL SOURCE:  
 FEATURE:  
 NAME/KEY: Coding Sequence

LOCATION: 115..702  
 OTHER INFORMATION: apoaequorin-encoding gene  
 PUBLICATION INFORMATION:  
 DOCUMENT NUMBER: 5,093,240  
 AUTHORS: Inouye et al.  
 TIME: Cloning and sequence analysis of cDNA for the luminescent protein  
 JOURNAL: Proc. Natl. Acad. Sci. U.S.A.  
 VOLUME: 82  
 PAGES: 3154-3158  
 DATE: (1985)  
 US-08-597-274A-5

RESULT 12  
 Query Match 11.9%; Score 38.8; DB 4; Length 958;  
 Best local Similarity 58.8%; Pred. No. 0.16;  
 Matches 67; Conservative 0; Mismatches 47; Indels 0; Gaps 0;  
 Patent No. 6416960  
 GENERAL INFORMATION:  
 APPLICANT: Bryan, Bruce  
 TITLE OF INVENTION: DETECTION AND VISUALIZATION OF  
 NUMBER OF INVENTION: NEOPLASTIC TISSUES AND OTHER TISSUES  
 NUMBER OF SEQUENCES: 14  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Brown, Martin, Haller & McClain  
 STREET: 1660 Union Street  
 CITY: San Diego  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 92101-2926  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ Version 1.5  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/908,909  
 FILING DATE: 08-AUG-1997  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 60/023,374  
 FILING DATE: 08-AUG-1995  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Seidman, Stephanie L.  
 REGISTRATION NUMBER: 33,779  
 REFERENCE/DOCKET NUMBER: 6680-108  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 519-238-0999  
 TELEFAX: 619-238-0062  
 TELEX:  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 958 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FRAGMENT TYPE:  
 ORIGINAL SOURCE:  
 FEATURE:







Db 85 CAAACATGA 74

QY 190 AATCAGGAAATTTCACCAAGAGCTGAGTCCTTGCACAACTCTACTAATC 249

Db 205 ACTGATGATTTGCAATGCTGAGCTTGTCTTAAAGTTTAAAGTTCTAAGG 146

QY 250 CAATGGTTTCAGTCAAGGAATTTGAAATTGATTCATCAATTAT 309

Db 145 CTATGGGTTTCAGCCAAAGGAATTTGAAATTGATTCATCAATTAT 86

Db 310 AAAAAGAAAA 321

Db 85 CAAACATGA 74

RESULT 20

US-08436074-52/C

; Sequence 52, Application US/08436074

; Patient No. 575348

; GENERAL INFORMATION:

; APPLICANT: DRAVNA, DENNIS T.

; FEDER, JOHN N.

; APPLICANT: GNIRKE, ANDREAS

; APPLICANT: KIMMEL, BRUCE E.

; APPLICANT: THOMAS, WINSTON J.

; APPLICANT: WOLFF, ROGER K.

; TITLE OF INVENTION: METHOD TO DIAGNOSE HEREDITARY

; TITLE OF INVENTION: HEMOCROMATOSIS

; NUMBER OF SEQUENCES: 57

; CORRESPONDENCE ADDRESS:

ADDRESSEE: MORRISON & FOERSTER

STREET: 2000 Pennsylvania Ave. N.W., Suite 5500

CITY: Washington

STATE: DC

CITY: Washington

ZIP: 20006-1888

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOSS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08436,074

FILING DATE: 08-MAY-1995

CLASSIFICATION: 436

ATTORNEY/AGENT INFORMATION:

NAME: MURASHIGE, KATE H.

REGISTRATION NUMBER: 29-959

REFERENCE/DOCKET NUMBER: 9053-0001.21

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 887-1500

TELEFAX: (202) 887-0763

TELEX: 90-4330

INFORMATION FOR SEQ ID NO: 52:

SEQUENCE CHARACTERISTICS:

LENGTH: 1260 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLogy: Linear

PCT-US96-06352-79

Query Match 11.6%; Score 37.6; DB 1; Length 1260;

Best Local Similarity 55.3%; Pred. No. 0.38; Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

QY 190 AATCAGGAAATTTCACCAAGAGCTGAGTCCTTGCACAACTCTACTAATC 249

Db 205 ACTGATGATTTGCAATGCTGAGCTTGTCTTAAAGTTTAAAGTTCTAAGG 146

Db 250 CAATGGTTTCAGTCAAGGAATTTGAAATTGATTCATCAATTAT 309

Db 145 CTATGGGTTTCAGCCAAAGGAATTTGAAATTGATTCATCAATTAT 86

Db 310 AAAAAGAAAA 321

Db 85 CAAACATGA 74

RESULT 22

PCT-US96-06583-79/C

; Sequence 79, Application PC/TUS9606583

; Sequence 79, Application PC/TUS9606583

; GENERAL INFORMATION:

APPLICANT: DRAVNA, DENNIS T.

APPLICANT: FEDER, JOHN N.

APPLICANT: GNIRKE, ANDREAS

APPLICANT: KIMMEL, BRUCE E.

APPLICANT: THOMAS, WINSTON J.

APPLICANT: WOLFF, ROGER K.

TITLE OF INVENTION: METHOD TO DIAGNOSE HEREDITARY

TITLE OF INVENTION: HEMOCROMATOSIS

NUMBER OF SEQUENCES: 124

CORRESPONDENCE ADDRESS:

ADDRESSEE: MORRISON & FOERSTER

STREET: 2000 Pennsylvania Ave. N.W., Suite 5500

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20006-1888

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOSS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/06352

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/599,252

FILING DATE: 09-FEB-1996

ATTORNEY/AGENT INFORMATION:

NAME: MURASHIGE, KATE H.

REGISTRATION NUMBER: 29-959

REFERENCE/DOCKET NUMBER: 9053-0001.21

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 887-1500

TELEFAX: (202) 887-0763

TELEX: 90-4330

INFORMATION FOR SEQ ID NO: 79:

SEQUENCE CHARACTERISTICS:

LENGTH: 1260 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLogy: Linear

PCT-US96-06352-79

APPLICANT: DEAYNA, DENNIS T.  
 APPLICANT: FEDER, JOHN N.  
 APPLICANT: GNTIRE, ANDREAS  
 APPLICANT: KIMMEL, BRUCE E.  
 APPLICANT: THOMAS, WINSTON J.  
 APPLICANT: WOLFF, ROGER K.  
 TITLE OF INVENTION: METHOD TO DIAGNOSE HEREDITARY  
 TITLE OF INVENTION: HEMOCHROMATOSIS  
 NUMBER OF SEQUENCES: 124  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: MORRISON & FOERSTER  
 STREET: 2000 Pennsylvania Ave. N.W., Suite 5500  
 CITY: Washington  
 STATE: DC  
 COUNTRY: USA  
 ZIP: 20006-1888  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC Compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US96/06583  
 FILING DATE:  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US/08/361,705  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US/08/684,862  
 FILING DATE:  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 09-188-1996  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: MURASHIGE, KATE H.  
 REGISTRATION NUMBER: 29,959  
 REFERENCE/DOCKET NUMBER: 9053-0001.21  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 887-1500  
 TELEFAX: (202) 887-0763  
 TELEX: 90-4030  
 INFORMATION FOR SEQ ID NO: 79:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1260 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 PCT-US96-05583-79

Query Match 11.6%; Score 37.6; DB 5; length 1260;  
 Best Local Similarity 55.3%; Pred No. 0; 38;  
 Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;  
 Topology: linear

QY 190 AACAGGATATTCAAAGAGAGAAGCTTTCGAAACTACTAAC 249  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 249  
 205 ACTGATGATTTGCAATGCTGAAAGACTGTTGCTTTAAAGTTCTAAAG 146

QY 250 CAATGGTTCTCGTACAGTATGTTCCAATGATAAACTTTAAAGTA 309  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 309  
 145 CTATGGCTTCAGCAAGGAATGTTGAAATAATTGATCTACATTAT 86  
 QY 310 AAAAAGAAAA 321  
 ||||| ||||| ||||| 321  
 Db 85 CAANACATGAA 74

RESULT 23  
 US-08-684-862-10  
 ; Sequence 10, Application US/08684862  
 ; Patent No. 575541  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bach, Alfred  
 ; APPLICANT: Hillen, Heinz  
 ; APPLICANT: Bialojan, Siegfried  
 ; TITLE OF INVENTION: No. 575541el Proteins, the Preparation and Use  
 ; NUMBER OF SEQUENCES: 14  
 ; CORRESPONDENCE ADDRESS:

ADDRESSEE: Keil & Weinkauf  
 STREET: 1101 Connecticut Avenue  
 CITY: Washington  
 STATE: D.C.  
 COUNTRY: USA  
 ZIP: 20036  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette, 5.25 inch, 360 Kb storage  
 COMPUTER: IBM AT-compatible, 80386 processor  
 OPERATING SYSTEM: MS-DOS version 5.0  
 SOFTWARE: WordPerfect version 5.1  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/684,862  
 FILING DATE:  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 07/156,040  
 FILING DATE: 30-DEC-1992  
 APPLICATION NUMBER: PCT/EP91/01361  
 FILING DATE: 19-JUL-1991  
 INFORMATION FOR SEQ ID NO: 10:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 988 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA to mRNA  
 ORIGINAL SOURCE: Agkistrodon rhodostoma  
 FEATURE:  
 LOCATION: 197 to 904  
 OTHER INFORMATION: the coding region shown in (2)(ix)(B)  
 OTHER INFORMATION: codes for the protein of SEQ ID NO: 5  
 US-08-684-862-10

Query Match 11.4%; Score 37; DB 1; length 988;  
 Best Local Similarity 71.0%; Pred. No. 0.51;  
 Matches 49; Conservative 0; Mismatches 20; Indels 0; Gaps 0;  
 Topology: linear

QY 257 TTTCCTCTACAGTATGTTCCAAATGATAAACTTTAAAGTTCTAAAG 316  
 .||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 316  
 Db 913 TTTTTATTTCCACAAAGGAGTTCCAAGGAATAAACTAATAATGTTAAAG 972  
 QY 317 AAAAAGAAA 325  
 ||||||| ||||| 973 AAAAAGAAA 981

RESULT 24  
 US-08-040-984-75  
 ; Sequence 75, Application US/08040984  
 ; Patent No. 621083  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Reed, Steven G.  
 ; APPLICANT: Wang, Tongtong  
 ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS  
 ; TITLE OF INVENTION: OF LUNG CANCER  
 ; NUMBER OF SEQUENCES: 86  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: SEED and BERRY LLP  
 ; STREET: 6300 Columbia Center, 701 Fifth Avenue  
 ; CITY: Seattle  
 ; STATE: WA  
 ; COUNTRY: USA  
 ; ZIP: 98104  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSeq for Windows Version 2.0





CITY: Chicago  
 STATE: IL  
 COUNTRY: USA  
 ZIP: 60610  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC Compatable  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/187,049  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/695,177  
 FILING DATE: 10/10/96  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Martin, Alice O.  
 REGISTRATION NUMBER: 35,601  
 REFERENCE/DOCKET NUMBER: 7814/16  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 312 321-4200  
 TELEFAX: 312 321-4299  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 4337 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: unknown  
 MOLECULE TYPE: cDNA  
 US-09-187-049-1

Query Match 11.1%; Score 36.2; DB 3; Length 4337;  
 Best Local Similarity 59.0%; Pred. No. 1.5;  
 Matches 62; Conservative 0; Mismatches 43; Indels 0; Gaps 0;  
 Qy 221 TTTGCTTTGCAAAACTCTACTTATCCATGGTTTCCTGCTGACTAGATTTC 280  
 Db 4230 TATGGTTTGTGAGCATTTTATGCACTTGTAGTTCTGACTCATCAATTGAATT 4289  
 Qy 281 CAATGTTATACTTATAAGAAAAAA 325  
 Db 4290 CACATCCGGATTTATCAAAAAA 4334

Search completed: May 27, 2003, 08:04:32  
 Job time : 25.6177 secs

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Om nucleic - nucleic search, using sw mode!

Run on: May 27, 2003, 07:58:52 ; Search time 67.5501 Seconds  
 (without alignments)

6353.067 Million cell updates/sec

Title: US-09-825-682a-57

Perfect score: 325

Sequence: 1 aaggaggcggcaggggcct.....gtaaaaaaaaaaaaaa 325

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 828747 seqs, 660331138 residues

Total number of hits satisfying chosen parameters: 1657494

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database : Listed first 100 summaries

Published\_Applications\_NA:\*

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 2: /cgn2\_6/ptodata/7/pubpna/PCT1\_NEWPUB.seq: \*  
 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEWPUB.seq: \*  
 4: /cgn2\_6/ptodata/2/pubpna/US05\_NEWPUB.seq: \*  
 5: /cgn2\_6/ptodata/2/pubpna/US01\_NEWPUB.seq: \*  
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 8: /cgn2\_6/ptodata/2/pubpna/US09\_NEWPUB.seq: \*  
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 10: /cgn2\_6/ptodata/2/pubpna/US10\_NEWPUB.seq: \*  
 11: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOM.seq: \*  
 12: /cgn2\_6/ptodata/2/pubpna/US60\_NEWPUB.seq: \*  
 13: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOM.seq: \*  
 14: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOM.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the total score of the result being printed, and is derived by analysis of the total score distribution.

### SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	291.4	89.7	1763	10 US-09-925-102-8
				Sequence 8, Appli
2	285.8	87.9	4797	10 US-09-735-705-134
3	285.8	87.9	4797	10 US-09-850-516A-134
4	285.8	87.9	4797	10 US-09-880-3939
5	285.8	87.9	4797	10 US-09-897-778-134
6	212	65.7	408	9 US-09-918-995-8387
C	7	144.4	44.4	492 9 US-09-766-457-1041
C	8	144.4	44.4	492 9 US-09-902-941-1041
C	9	144.4	44.4	492 9 US-09-849-628-1041
C	10	144.4	44.4	492 9 US-09-017-755-1041
C	11	120.4	37.0	253 9 US-10-079-623-76
C	12	44.6	13.7	748 10 US-09-910-943-361
C	13	42.8	13.2	617 10 US-09-764-877-121
C	14	42.6	13.1	330 9 US-09-918-995-24997
C	15	41.8	12.9	1820 9 US-09-813-153-35
C	16	41.6	12.8	375 10 US-09-660-552-13618
C	17	41.2	12.7	1797 9 US-09-917-879-115
C	18	41.2	12.7	1797 9 US-09-305-730-116
C	19	40.6	12.5	400 9 US-09-918-995-36308

c	20	39.8	12.2	486 9 US-10-050-036-2299	Sequence 2299, Appli
c	21	39.8	12.2	659158 9 US-09-771-208-20	Sequence 20, Appli
c	22	39.6	12.2	277 10 US-09-960-352-12673	Sequence 12673, Appli
c	23	39.4	12.1	241 10 US-09-960-352-7904	Sequence 7904, Appli
c	24	38.8	11.9	289 10 US-09-880-107-1117	Sequence 1117, Appli
c	25	38.8	11.9	462 9 US-10-126-139-5	Sequence 13712, Appli
c	26	38.8	11.9	958 9 US-10-126-139-5	Sequence 1, Appli
c	27	38.8	11.9	958 9 US-10-26-198-5	Sequence 5, Appli
c	28	38.8	11.9	10 10 US-09-803-211-5	Sequence 5, Appli
c	29	38.8	11.9	958 10 US-09-946-485A-5	Sequence 5, Appli
c	30	38.6	11.9	10 US-09-960-352-5093	Sequence 5093, Appli
c	31	38.6	11.9	11.9 10 US-10-091-883-105	Sequence 2438, Appli
c	32	38.6	11.9	415 9 US-10-060-352-2438	Sequence 25, Appli
c	33	38.6	11.9	2455 10 US-09-918-909-25	Sequence 3307, Appli
c	34	38.6	11.9	2509 10 US-09-925-301-540	Sequence 540, Appli
c	35	38.4	11.8	9 10 US-10-091-83-30	Sequence 179, Appli
c	36	38.4	11.8	325 10 US-09-764-846-30	Sequence 236, Appli
c	37	38.4	11.8	621 9 US-10-091-883-105	Sequence 105, Appli
c	38	38.4	11.8	621 10 US-09-974-846-105	Sequence 105, Appli
c	39	38.4	11.8	1992 9 US-10-336-342-18	Sequence 18, Appli
c	40	38.4	11.8	2000 9 US-09-938-842A-3307	Sequence 3307, Appli
c	41	38.2	11.7	1319 9 US-09-969-347-179	Sequence 179, Appli
c	42	38	11.7	819 9 US-10-202-193-236	Sequence 236, Appli
c	43	38	11.7	3716 9 US-09-978-295A-210	Sequence 216, Appli
c	44	38	11.7	3715 9 US-09-978-191A-210	Sequence 210, Appli
c	45	38	11.7	3716 9 US-09-978-191A-210	Sequence 210, Appli
c	46	38	11.7	3716 9 US-09-978-192A-210	Sequence 210, Appli
c	47	38	11.7	3715 9 US-09-978-189A-210	Sequence 210, Appli
c	48	38	11.7	3716 9 US-09-978-190A-210	Sequence 210, Appli
c	49	38	11.7	3716 9 US-09-978-191A-210	Sequence 210, Appli
c	50	38	11.7	3715 9 US-09-978-192A-210	Sequence 210, Appli
c	51	38	11.7	3716 9 US-09-978-193A-210	Sequence 210, Appli
c	52	38	11.7	3716 9 US-09-978-195A-210	Sequence 210, Appli
c	53	38	11.7	3716 9 US-09-978-198A-210	Sequence 210, Appli
c	54	38	11.7	3716 9 US-09-978-199A-210	Sequence 210, Appli
c	55	38	11.7	3716 9 US-09-991-915A-210	Sequence 210, Appli
c	56	38	11.7	3715 9 US-09-991-915A-210	Sequence 210, Appli
c	57	38	11.7	3716 9 US-10-167-749-210	Sequence 210, Appli
c	58	38	11.7	3716 9 US-09-918-585A-210	Sequence 210, Appli
c	59	38	11.7	3716 9 US-09-978-210-210	Sequence 210, Appli
c	60	38	11.7	3716 9 US-10-013-921A-210	Sequence 210, Appli
c	61	38	11.7	3716 9 US-09-978-193A-210	Sequence 210, Appli
c	62	38	11.7	3716 9 US-10-013-921A-210	Sequence 210, Appli
c	63	38	11.7	3716 9 US-10-016-177A-210	Sequence 210, Appli
c	64	38	11.7	3716 9 US-09-999-330A-210	Sequence 210, Appli
c	65	38	11.7	3716 9 US-09-978-557A-210	Sequence 210, Appli
c	66	38	11.7	3717 9 US-10-163-566-13	Sequence 210, Appli
c	67	37.8	11.6	401 10 US-09-960-352-10503	Sequence 210, Appli
c	68	37.8	11.6	1300 10 US-09-882-849A-3	Sequence 210, Appli
c	69	37.6	11.6	214 9 US-10-060-036-2777	Sequence 2777, Appli
c	70	37.6	11.6	291 10 US-09-960-352-1243	Sequence 1243, Appli
c	71	37.6	11.6	368 10 US-09-834-975-17	Sequence 1903, Appli
c	72	37.4	11.5	102 10 US-09-960-352-1281	Sequence 181, Appli
c	73	37.4	11.5	144 10 US-09-925-125-391	Sequence 1776, Appli
c	74	37.4	11.5	1409 10 US-09-960-352-1281	Sequence 24, Appli
c	75	37.4	11.5	1422 9 US-09-98-899-24	Sequence 80, Appli
c	76	37.4	11.5	2660 9 US-09-225-199-80	Sequence 80, Appli
c	77	37.4	11.5	2660 10 US-09-925-229-90	Sequence 77, Appli
c	78	37.4	11.5	2892 9 US-09-892-677-77	Sequence 36, Appli
c	79	37.2	11.4	1201 9 US-10-012-442-36	Sequence 36, Appli
c	80	37.2	11.4	10 10 US-09-883-050-1	Sequence 1, Appli
c	81	37	11.4	469 10 US-09-954-456-248	Sequence 248, Appli
c	82	37	11.4	469 10 US-09-954-456-176	Sequence 476, Appli
c	83	37	11.4	3110 10 US-09-764-877-3914	Sequence 3914, Appli
c	84	37	11.4	8066 9 US-09-664-881-18856	Sequence 9835, Appli
c	85	37	11.4	402 9 US-10-001-878-23	Sequence 23, Appli
c	86	36.6	11.3	312 10 US-09-960-352-8414	Sequence 8414, Appli
c	88	36.6	11.3	380 10 US-09-960-352-9335	Sequence 9335, Appli
c	89	36.6	11.3	402 9 US-09-960-352-222	Sequence 122, Appli
c	90	36.6	11.3	2900 9 US-09-470-276-1	Sequence 1, Appli
c	91	36.6	11.3	3084 10 US-09-764-864-89	Sequence 89, Appli
c	92	36.6	11.3	3490 10 US-09-925-301-44	Sequence 44, Appli

RESULT 1

US-09-825-302-8

; Sequence 8, Application US/09925302

; Patent No. US20020041941A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies

; FILE REFERENCE: PA104

; CURRENT APPLICATION NUMBER: US/09/925, 302

; CURRENT FILING DATE: 2001-08-10

; PRIORITY APPLICATION NUMBER: PCT/US00/05918

; PRIORITY FILING DATE: 2000-03-08

; PRIORITY FILING DATE: 1999-03-12

; NUMBER OF SEQ ID NOS: 896

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 8

; LENGTH: 1763

; TYPE: DNA

; ORGANISM: Homo sapiens

; US 09-925-302-8

Query Match 89.7%; Score 291.4; DB 10; Length 1763; Best Local Similarity 99.3%; Pred. No. 1.2e-68; Matches 303; Conservative 0; Mismatches 11; Indels 1; Gaps 1;

Qy 4 GAGGGGGAGGGCCCTGGAGATCCTCCAGACAGCAGCCGCTGTGCGCCG 63

Db 752 GAGGGGGAGGGCCCTGGAGATCCTCCAGACAGCAGCCGCTGTGCGCCG 811

Qy 64 TCTCAGGGGCTCTCTCTCTGAAATTCACAGGGGTGCTGGAGAGCTGGCT 123

Db 812 'TCCTCAGGGGCTCTCTCTGGAAATTCACAGGGGTGCTGGAGAGCTGGCT 871

Qy 124 GAGCCGCTCCTCAAGAACCCAGGTCTCGTACGCTCTGGCCCTGGCCCTG 183

Db 872 GAGCCTCTCCATCCAAAGCCAGGTCTCTGGCTCTGGCCACTGGCCCTG 930

Qy 184 GCCTGGATCAGGAATTTCACAGGTCTCTGGCCCTGGCCACTGGCCCTG 243

Db 4005 TTAATCCATGGGTTTCTCTGTACAGTAGTTTCAGATGATTTCACATTAATA 4064

Db 4065 AAGTA 4069

RESULT 2

US-09-735-705-134

; Sequence 134, Application US/09735705

; Patent No. US2002005329A1

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Lijun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

## ALIGNMENTS

Query Match 87.9%; Score 285.8; DB 10; Length 4797; Best Local Similarity 96.1%; Pred. No. 6.3e-67; Matches 293; Conservative 0; Mismatches 12; Indels 0; Gaps 0; Other Information: n = A, T, C or G

Qy 4 GAGGGCCAGGGCCCTGGAGATCCTCTGGAGACGACGCCGCTGTGGCCG 63

Db 3765 GAGGGCCAGGGCCCTGGAGATCCTCTGGAGACGACGCCGCTGTGGCCG 3824

Qy 64 TCTCAGGGGCTCTCTCTCTGAAATTCACAGGGGTGCTGGAGAGCTGGCT 123

Db 3825 TCTCAGGGGCTCTCTCTGGAAATTCACAGGGGTGCTGGAGAGCTGGCT 3884

Qy 124 GAGCCGCTCCTCAAGACGGCAGGTCTCTGGTAGCCTGGCCCTGGCCCTG 183

Db 3885 GAGGCCCTCCTCAAGACGGCAGGTCTCTGGTAGCCTGGCCCTGGCCCTG 3944

Qy 184 GCCTGGATCAGGAATTTCACAGGTCTCTGGCCCTGGCCACTGGCCCTG 243

Db 3945 GCCTGGATCAGGAATTTCACAGGTCTCTGGCCCTGGCCACTGGCCCTG 4004

Qy 244 TTAATCCATGGGTTTCTCTGTACAGTAGTTTCAGATGATTTCACATTAATA 303

Db 991 TTAATCCATGGGTTTCTCTGTACAGTAGTTTCACATTAATA 1050

Qy 304 AAGTA 308

Db 4065 AAGTA 4069

RESULT 3

US-09-850-716A-134

; Sequence 134, Application US/09850716A

; Patent No. US20020115139A1

; GENERAL INFORMATION:

; APPLICANT: Kalos, Michael D.

; APPLICANT: McNeil, Patricia D.

; APPLICANT: Rettler, Marc W.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.45915

; CURRENT APPLICATION NUMBER: US/09/850,716A

; CURRENT FILING DATE: 2001-05-07

; NUMBER OF SEQ ID NOS: 440

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 134

; LENGTH: 4797

; TYPE: DNA

; ORGANISM: Homo sapien

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; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(4797)
; OTHER INFORMATION: n = A,T,C or G
; US-09-850-716A-134

Query Match 87.9%; Score 285.8; DB 10; Length 4797;
Best Local Similarity 96.1%; Pred. No. 6.3e-67; Matches 293; Conservative 0; Mismatches 12; Indels 0; Gaps 0; Gaps 0;
Query 4 GAGGGGGCAGGGGCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 63
Db 3765 GAGGGGGCAGGGGCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 3824
Db 3765 GAGGGGGCAGGGGCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 3824
Query 64 TCTCCAGGGCTGCTCCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 63
Db 3825 TCTCCAGGGCTGCTCCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 3824
Query 124 GACGCCCTCCACCCAGGGCAGGTCTCCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 183
Db 3885 GACGCCCTCCACCCAGGGCAGGTCTCCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 3944
Query 184 GCCTGAAATCAGGAAATTTCACAAAGAGATAGCTTTCGTTGCAAACTCTAC 243
Db 3945 GCCTGAAATCAGGAAATTTCACAAAGAGATAGCTTTCGTTGCAAACTCTAC 4004
Query 244 TTAATCCAAATGGTTTTCCTCTGACAGTAGATTTCAAAATGTTAACTTAAATA 303
Db 4005 TTAATCCAAATGGTTTTCCTCTGACAGTAGATTTCAAAATGTTAACTTAAATA 4064
Query 304 AAGTA 308
Db 4065 AAGTA 4069

RESULT 4
US-09-8160-107-3939
; Sequence 3939; Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scheit, Uwe
; APPLICANT: gene logic, inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-05-14
; PRIORITY NUMBER: US 60/211,379
; PRIORITY FILING DATE: 2000-06-14
; PRIORITY APPLICATION NUMBER: US 60/237,054
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: FastSBQ for Windows Version 4.0
; SEQ ID NO: 134
; LENGTH: 4797
; TYPE: DNA
; ORGANISM: HOMO sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 135, 501, 4421, 4467, 4468, 4698
; OTHER INFORMATION: n = A,T,C or G
; US-09-897-778-134

Query Match 87.9%; Score 285.8; DB 10; Length 4797;
Best Local Similarity 96.1%; Pred. No. 6.3e-67; Matches 293; Conservative 0; Mismatches 12; Indels 0; Gaps 0; Gaps 0;
Query 4 GAGGGGGCAGGGGCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 63
Db 3765 GAGGGGGCAGGGGCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 3824
Query 64 TCTCCAGGGCTGCTCCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 63
Db 3825 TCTCCAGGGCTGCTCCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 3824
Query 124 GACGCCCTCCACCCAGGGCAGGTCTCCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 183
Db 3885 GACGCCCTCCACCCAGGGCAGGTCTCCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 3944
Query 184 GCCTGAAATCAGGAAATTTCACAAAGAGATAGCTTTCGTTGCAAACTCTAC 243
Db 3945 GCCTGAAATCAGGAAATTTCACAAAGAGATAGCTTTCGTTGCAAACTCTAC 4004
Query 244 TTAATCCAAATGGTTTTCCTCTGACAGTAGATTTCAAAATGTTAACTTAAATA 303
Db 4005 TTAATCCAAATGGTTTTCCTCTGACAGTAGATTTCAAAATGTTAACTTAAATA 4064
Query 304 AAGTA 308
Db 4065 AAGTA 4069

RESULT 5
US-09-897-778-134
; Sequence 134; Application US/09897778
; Patent No. US20020147143A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Marneritis, Margarita
; APPLICANT: Fander, Gary R.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Watnabe, Yoshihiro
; APPLICANT: Henderson, Robert A.
; APPLICANT: Peckham, David W.
; APPLICANT: Fander, Neil
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C16
; CURRENT APPLICATION NUMBER: US/09/897,778
; CURRENT FILING DATE: 2001-06-28
; NUMBER OF SEQ ID NOS: 467
; SOFTWARE: FastSBQ for Windows Version 4.0
; SEQ ID NO: 134
; LENGTH: 4797
; TYPE: DNA
; ORGANISM: HOMO sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 135, 501, 4421, 4467, 4468, 4698
; OTHER INFORMATION: n = A,T,C or G
; US-09-897-778-134

Query Match 87.9%; Score 285.8; DB 10; Length 4797;
Best Local Similarity 96.1%; Pred. No. 6.3e-67; Matches 293; Conservative 0; Mismatches 12; Indels 0; Gaps 0; Gaps 0;
Query 4 GAGGGGGCAGGGGCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 63
Db 3765 GAGGGGGCAGGGGCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 3824
Query 64 TCTCCAGGGCTGCTCCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 63
Db 3825 TCTCCAGGGCTGCTCCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 3824
Query 124 GACGCCCTCCACCCAGGGCAGGTCTCCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 183
Db 3885 GACGCCCTCCACCCAGGGCAGGTCTCCCTGGAGATCCTCCCTGAGACAGCCGCTGCTGGCTGAGCAGCG 3944
Query 184 GCCTGAAATCAGGAAATTTCACAAAGAGATAGCTTTCGTTGCAAACTCTAC 243
Db 3945 GCCTGAAATCAGGAAATTTCACAAAGAGATAGCTTTCGTTGCAAACTCTAC 4004
Query 244 TTAATCCAAATGGTTTTCCTCTGACAGTAGATTTCAAAATGTTAACTTAAATA 303
Db 4005 TTAATCCAAATGGTTTTCCTCTGACAGTAGATTTCAAAATGTTAACTTAAATA 4064

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RESULT 6  
 US-09-918-995-8387  
 ; Sequence 8387, Application US/09918995  
 ; Publication No. US20030073623A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hyseq, Inc.  
 ; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED  
 ; FILE REFERENCE: 20411-756  
 ; CURRENT APPLICATION NUMBER: US/09/918-995  
 ; CURRENT FILING DATE: 2001-07-30  
 ; PRIORITY FILING DATE: 1999-01-20  
 ; NUMBER OF SEQ ID NOS: 3804  
 ; SOFTWARE: FastSEQ for Windows Version 3.0  
 ; SEQ ID NO 8387  
 ; LENGTH: 408  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; US-09-918-995-8387

Query Match 65.2%; Score 212; DB 9; Length 408;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-47;  
 Matches 212; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 GAGGGCGCAGGGGCGCTGGAGATCCTCTGCAGACCAACGCCGAGCCGGCTCTGGCGCG 63  
 Db 196 GAGGGGCCAGGGCCCTGGAGATCCTCTGCAGACCAACGCCGAGCCGGCTCTGGCGCG 255

Qy 64 TCTCCAGGGCGCTCTCTGGAAATGAGCAGGGGCTCTGGAGACTGCT 123  
 Db 256 TCTCCAGGGCGCTCTCTGGAAATGAGCAGGGGCTCTGGAGACTGCTCTGGCGCG 315

Qy 124 GAGGCCCTCACCAAGCCAGGTCTCGTAGCTCCCTGGCCACCTGGGCCCTG 183  
 Db 316 GAGGCCCTCACCAAGCCAGGTCTCGTAGCTCCCTGGCCACCTGGGCCCTG 375

Qy 184 GGCTGGAAATCAGGAATTTCTGAAAGAGTGA 215  
 Db 376 GGCTGGAAATCAGGAATTTCTGAAAGAGTGA 407

RESULT 7  
 US-09-736-457-1041/c  
 ; Sequence 1041, Application US/09736457  
 ; Patent No. US20020168637A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Henderson, Robert A.  
 ; APPLICANT: Wang, Tongtong  
 ; APPLICANT: Johnson, Jeffrey C.  
 ; APPLICANT: Rettner, Marc W.  
 ; APPLICANT: Marnarakis, Margarita  
 ; APPLICANT: Carter, Darrick  
 ; APPLICANT: Fanger, Gary R.  
 ; APPLICANT: Vedvick, Thomas S.  
 ; APPLICANT: Baigui, Chaitanya S.  
 ; APPLICANT: McNab, Andria  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
 ; FILE REFERENCE: 210121-478C17  
 ; CURRENT APPLICATION NUMBER: US/09/902,941  
 ; CURRENT FILING DATE: 2001-07-10  
 ; NUMBER OF SEQ ID NOS: 2002  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 1041  
 ; LENGTH: 492  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: 473  
 ; OTHER INFORMATION: n = A,T,C or G  
 ; US-09-902-941-1041

Query Match 44.4%; Score 144.4; DB 9; Length 492;  
 Best Local Similarity 98.5%; Pred. No. 2.7e-29;  
 Matches 145; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 162 TGTGGCCCACCCCTGGCGCTGGCGTGGAAATTTCTGAAAGAGTGA 221  
 Db 492 TGTGGCCCACCCCTGGCGCTGGCGTGGAAATTTCTGAAAGAGTGA 433

Qy 222 TTGCTTTGCAAAACTCTACTAATTCATGGTTTCCTGAACTAGATTTCC 281  
 Db 432 TTGCTTTGCAAAACTCTACTAATTCATGGTTTCCTGAACTAGATTTCC 373

Qy 282 AAATGATAAACTTAAATATAGTA 308  
 Db 372 AAATGATAAACTTAAATATAGTA 346

RESULT 8  
 US-09-902-941-1041/c  
 ; Sequence 1041, Application US/09902941  
 ; Patent No. US20020172952A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Henderson, Robert A.  
 ; APPLICANT: Wang, Tongtong  
 ; APPLICANT: Johnson, Jeffrey C.  
 ; APPLICANT: Rettner, Marc W.  
 ; APPLICANT: Marnarakis, Margarita  
 ; APPLICANT: Carter, Darrick  
 ; APPLICANT: Fanger, Gary R.  
 ; APPLICANT: Vedvick, Thomas S.  
 ; APPLICANT: Baigui, Chaitanya S.  
 ; APPLICANT: McNab, Andria  
 ; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER  
 ; FILE REFERENCE: 210121-478C17  
 ; CURRENT APPLICATION NUMBER: US/09/902,941  
 ; CURRENT FILING DATE: 2001-07-10  
 ; NUMBER OF SEQ ID NOS: 2002  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 1041  
 ; LENGTH: 492  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: 473  
 ; OTHER INFORMATION: n = A,T,C or G  
 ; US-09-902-941-1041

Query Match 44.4%; Score 144.4; DB 9; Length 492;  
 Best Local Similarity 98.5%; Pred. No. 2.7e-29;  
 Matches 145; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 162 TGTGGCCCACCCCTGGCGCTGGCGTGGAAATTTCTGAAAGAGTGA 221  
 Db 492 TGTGGCCCACCCCTGGCGCTGGCGTGGAAATTTCTGAAAGAGTGA 433

Qy 222 TTGCTTTGCAAAACTCTACTAATTCATGGTTTCCTGAACTAGATTTCC 281  
 Db 432 TTGCTTTGCAAAACTCTACTAATTCATGGTTTCCTGAACTAGATTTCC 373

Qy 282 AAATGATAAACTTAAATATAGTA 308  
 Db 372 AAATGATAAACTTAAATATAGTA 346

Db 372 AAATGTATAAACTTAAATATAAAGTA 346 ; LENGTH: 492  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 473  
; OTHER INFORMATION: n = A,T,C or G  
; US-10-017-754-1041  
; APPLICANT: McNeill, Patricia  
; APPLICANT: Clapier, Jonathan  
; APPLICANT: Fanger, Gary  
; APPLICANT: Wang, Ajun  
; APPLICANT: Wang, Tongtong  
; APPLICANT: Switzer, Anne  
; APPLICANT: Banger, Chaitanya  
; APPLICANT: Bangur, Chaitanya  
; APPLICANT: Bangur, Chaitanya  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER  
; FILE REFERENCE: 210121.478C16  
; CURRENT APPLICATION NUMBER: US-09-849-626  
; CURRENT FILING DATE: 2001-05-03  
; NUMBER OF SEQ ID NOS: 1926  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 1041  
; LENGTH: 492  
; TYPE: DNA  
; ORGANISM: Homo sapien  
; FEATURE:  
; LOCATION: (1)..(492)  
; OTHER INFORMATION: n = A,T,C or G  
; US-09-849-626-1041  
; Query Match 44.4%; Score 144.4; DB 9; Length 492;  
; Best Local Similarity 98.6%; Pred. No. 2.7e-29;  
; Matches 145; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
; QY 162 TGTGGCCCACCCCTGG3CCCTGGCTGGAATCAGGAATATTTCGAAAGAGTATGCT 221  
; Db 492 TGTGGCCCACCCCTGGCTGGAATCAGGAATATTTCGAAAGAGTATGCT 433  
; QY 222 TTGCTTGGCAAACTCTACTTAAATCCAAAGGGTTTCCTGACAGTAGATTTC 281  
; Db 432 TTGCTTGGCAAACTCTACTTAAATCCAAATGGGTTTCCTGACAGTAGATTTC 373  
; QY 282 AAATGTATAAACTTAAATATAAAGTA 308  
; Db 372 AAATGTATAAACTTAAATATAAAGTA 346  
; US-10-079-623-76  
; Sequence 76, Application US/10079623  
; ; PATENT NO. US2002016302A1  
; ; GENERAL INFORMATION:  
; ; APPLICANT: Havukkala, Ilkka J.  
; ; APPLICANT: Glenn, Matthew  
; ; APPLICANT: Grigor, Murray R.  
; ; APPLICANT: Molenaar, Adrian J.  
; ; TITLE OF INVENTION: Compositions isolated from bovine  
; ; TITLE OF INVENTION: Mammary gland and methods for their use.  
; ; FILE REFERENCE: 11000\_144C3  
; ; CURRENT APPLICATION NUMBER: US/10/079, 623  
; ; CURRENT FILING DATE: 2002-02-19  
; ; NUMBER OF SEQ ID NOS: 370  
; ; SOFTWARE: FastSEQ for Windows Version 4.0  
; ; SEQ ID NO 76  
; ; LENGTH: 253  
; ; TYPE: DNA  
; ; ORGANISM: Bovine  
; ; US-10-079-623-76  
; Query Match 37.0%; Score 120.4; DB 9; Length 253;  
; Best Local Similarity 75.6%; Pred. No. 5.6e-23;  
; Matches 189; Conservative 0; Mismatches 56; Indels 5; Gaps 3;  
; QY 77 CTCCTCTGGAATTTGACGAGGGTGTCTGGCAGGCTGCTGTGCGCCCTCCATC 136  
; Db 4 CTTCCTCTAAAGTGACAGAGGCTGGTACCCGGACTGACTGGCCCG 63  
; QY 137 CAAGGCAGGTCTCGCTAGTCCTCTGGGCCACCTGGGCCCTGGATCAGG 196  
; Db 64 GATGGCCGAGGCTCACTTGTAGTAGT-CCTGTAGCTGACTGGCCGGATCAGG 121  
; QY 197 ATATTTCCAAGAGGTAGACTCTTGTCTTGGAAAC-TCTACTTACATGG 255  
; Db 122 AATA-TTCCAAGAGGTAGTACTCTTGTCTTGGCCAACTTTATTAACTCAATG 179  
; QY 256 GTTTTCTGTAAGTGTAGATTTCCAATGTATAACTTAAATATAAAGTAAAGA 315  
; Db 180 GTTTTCTGTAAGTGTAGATTTCCAATGTATAACTTAAATATAAAGTACATG 239  
; QY 316 AAAAAAAA 325  
; Db 240 GAAAAGAA 249  
; SEQ ID NO 1041



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; PRIOR APPLICATION NUMBER: 60/073,161
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,170
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 298
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 35
; LENGTH: 1820
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-813-153-35

Query Match          12.9%;  Score 41.8;  DB 9;  Length 1820;
Best Local Similarity 75.4%;  Pred. No. 0 23;  DB 9;  Length 1820;
Matches 52;  Conservative 0;  Mismatches 17;  Indels 0;  Gaps 0;
Qy  257 TTTCTCTGAGCTAGTAACTTTCCAAATGTTAACTTTAATAGTAAAAAA 316
Db  1740 TATTTATGAAATAATTTATTTCCAAATGTTAAACAAAAAAACAAAAAA 1799
Qy  317 AAAAAAAA 325
Db  1800 AAAAAAAA 1808

RESULT 16
US-09-960-352-13618/C
; Sequence 13618, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengping
; APPLICANT: Bryant, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEAR ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND FILE REFERENCE: 16511.06/37-21 (10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 13618
; LENGTH: 375
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 58-LJB3058-048-01-K1-G6
; US-09-960-352-13618

Query Match          12.8%;  Score 41.6;  DB 10;  Length 375;
Best Local Similarity 62.5%;  Pred. No. 0.12;  DB 10;  Length 375;
Matches 65;  Conservative 0;  Mismatches 39;  Indels 0;  Gaps 0;
Qy  222 TTGCTTGTGGCAAACACTCTACTTATCCTGAGCTTCTGTGAGTATTC 281
Db  175 TTGCTTGTAGCTGTTTTAAACGGCCCTTCCACCGTTCCATAAA 116
Qy  282 AATGTATAACTTAAATAAGTAAAAAA 325
Db  115 ACAGAACAAATAATAAAATAAAAAAA 72

RESULT 17
US-09-974-819-115
; Sequence 115, Application US/09974879
; Publication No. US2003028003A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: 125 Human Secreted Proteins
; FILE REFERENCE: P2020P2
; CURRENT APPLICATION NUMBER: US/09/974,879
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: US 60/239,893
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: US 09/818,683

Query Match          12.9%;  Score 41.8;  DB 9;  Length 1797;
Best Local Similarity 57.9%;  Pred. No. 0.33;  DB 9;  Length 1797;
Matches 73;  Conservative 0;  Mismatches 53;  Indels 0;  Gaps 0;
Qy  200 ATTTCCAAAGAGGAAGAGAGCTTGGTTGGAAACTCTACTTATCCATGGTT 259
Db  1625 AATTTTAAATTTCTCTACTTCTACTTTAGTTCAANGTAGAAATCAGAAAT
Qy  260 TTCTCTGAGCTAGTAACTTTCCAAATGTTAACTTTAATAGTAAAAAA 319
Db  1685 TTCTTAACTACTGTTATTAATTAATTAATTTATGCTAAARARARAA 1744
Qy  320 AAAAAA 325
Db  1745 AAAAA 1750

RESULT 18
US-09-305-736-116
; Sequence 116, Application US/09305736
; Publication No. US2003008078A1
; GENERAL INFORMATION:
; APPLICANT: Feng, et al.
; TITLE OF INVENTION: 125 Human Secreted Proteins
; FILE REFERENCE: P2020P1
; CURRENT APPLICATION NUMBER: US/09/305,736
; CURRENT FILING DATE: 1999-05-05
; EARLIER APPLICATION NUMBER: PCT/US98/23435
; EARLIER FILING DATE: 1998-11-04
; EARLIER APPLICATION NUMBER: 60/064,911
; EARLIER FILING DATE: 1997-11-07
; EARLIER APPLICATION NUMBER: 60/064,912
; PRIOR APPLICATION NUMBER: US 60/064,983
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/064,984
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/064,985
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/066,094
; PRIOR FILING DATE: 1997-11-17
; PRIOR APPLICATION NUMBER: US 60/066,100
; PRIOR FILING DATE: 1997-11-17
; PRIOR APPLICATION NUMBER: US 60/066,089
; PRIOR FILING DATE: 1997-11-17
; PRIOR APPLICATION NUMBER: US 60/066,095
; PRIOR FILING DATE: 1997-11-17
; PRIOR APPLICATION NUMBER: US 60/066,090
; PRIOR FILING DATE: 1997-11-17
; PRIOR APPLICATION NUMBER: 611
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 115
; LENGTH: 1797
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-974-879-115

Query Match          12.7%;  Score 41.2;  DB 9;  Length 1797;
Best Local Similarity 57.9%;  Pred. No. 0.33;  DB 9;  Length 1797;
Matches 73;  Conservative 0;  Mismatches 53;  Indels 0;  Gaps 0;
Qy  200 ATTTCCAAAGAGGAAGAGAGCTTGGTTGGAAACTCTACTTATCCATGGTT 259
Db  1625 AATTTTAAATTTCTCTACTTCTACTTTAGTTCAANGTAGAAATCAGAAAT
Qy  260 TTCTCTGAGCTAGTAACTTTCCAAATGTTAACTTTAATAGTAAAAAA 319
Db  1685 TTCTTAACTACTGTTATTAATTAATTTATGCTAAARARARAA 1744
Qy  320 AAAAAA 325
Db  1745 AAAAA 1750

```

RESULTS

Match 73: Conservative 0; Mismatches 54; Indels 0; Gaps 0;

Query 197 AATTTCCAAAGAGGTAGTAGCTTGTGCTTGGCAAACTCTACTATCCATGGG 256  
 Publication No. US20030073144A1

Db 214 ATTCATCCTCTCCCTCCAGTCATGTGCAAGCAATATCTCTCAATTAAAT 273

Query 257 TTTCCTGAGTAGAGTTCCAAAGTAACTTAACTTAAGTAAAGAAAAAA 316  
 Publication No. US20030073144A1

Db 274 GTTACTTAATCAAGTAGTACATTTGATAATTAAAAAAAGAAAAAA 333

Query 317 AAAAAA 323  
 Publication No. US20030073144A1

Db 334 AAAAAA 340

RESULT 20

; Sequence 229, Application US/10060036

; Publication No. US20030073144A1

; GENERAL INFORMATION:

; APPLICANT: Bensson, Darin R.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Lodes, Michael J.

; APPLICANT: Persing, David H.

; APPLICANT: Rehner, William T.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER

; FILE REFERENCE: 210121:566

; CURRENT APPLICATION NUMBER: US/10/060,036

; CURRENT FILING DATE: 2002-01-30

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2299

; LENGTH: 486

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc-feature

; LOCATION: 130\_145, 165, 181, 255, 292, 369, 389, 412, 464, 467, 477

; OTHER INFORMATION: n = A,T,C or G

US-10-060-036-2299

Query Match 12.2%; Score 39.8; DB 9; Length 486;

Best Local Similarity 60.8%; Pred. No. 0.41; Mismatches 42; Indels 0; Gaps 0;

Matches 65; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

Query 219 TCTTGTGCTTGGCAAACTCTATCCATGGTTCTCTACAGTAGTT 278  
 Publication No. US20030073144A1

Db 110 TTTCCTGTTGTTGTAAGCTTAAAGTAAAGAAAAAAAGTAAAGT 51

Query 279 TCCAAATGTAATAACTTATATAAAGTAAAGAAAAAAAGTAAAGT 325  
 Publication No. US20030073144A1

Db 50 TAAAGTGTAAAGAAAAAAATPAAKAAKAAKAAKAAKAAKAA 4

RESULT 19

US-09-918-995-36308

; Sequence 36108, Application US/09918995

; Publication No. US20030073623A1

; GENERAL INFORMATION:

; APPLICANT: Hyseq, Inc.

; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED

; TITLE OF INVENTION: FROM VARIOUS cDNA LIBRARIES

; FILE REFERENCE: 20411-756

; CURRENT APPLICATION NUMBER: US/09/918,995

; CURRENT FILING DATE: 2001-07-30

; PRIOR APPLICATION NUMBER: US/09/235,076

; PRIOR FILING DATE: 1999-01-20

; NUMBER OF SEQ ID NOS: 38054

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 36308

; LENGTH: 400

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-09-918-995-36308

Query Match 12.5%; Score 40.6; DB 9; Length 400;

Best Local Similarity 57.5%; Pred. No. 0.23; Length 400;

; SEQ ID NO 20

RESULTS

Match 73: Conservative 0; Mismatches 54; Indels 0; Gaps 0;

Query 197 AATTTCCAAAGAGGTAGTAGCTTGTGCTTGGCAAACTCTACTATCCATGGG 256  
 Publication No. US20030073144A1

Db 214 ATTCATCCTCTCCCTCCAGTCATGTGCAAGCAATATCTCTCAATTAAAT 273

Query 257 TTTCCTGAGTAGAGTTCCAAAGTAACTTAACTTAAGTAAAGAAAAAA 316  
 Publication No. US20030073144A1

Db 274 GTTACTTAATCAAGTAGTACATTTGATAATTAAAAAAAGAAAAAA 333

Query 317 AAAAAA 323  
 Publication No. US20030073144A1

Db 334 AAAAAA 340

RESULT 20

; Sequence 229, Application US/10060036

; Publication No. US20030073144A1

; GENERAL INFORMATION:

; APPLICANT: Bensson, Darin R.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Lodes, Michael J.

; APPLICANT: Persing, David H.

; APPLICANT: Rehner, William T.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER

; FILE REFERENCE: 210121:566

; CURRENT APPLICATION NUMBER: US/10/060,036

; CURRENT FILING DATE: 2002-01-30

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2299

; LENGTH: 486

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc-feature

; LOCATION: 130\_145, 165, 181, 255, 292, 369, 389, 412, 464, 467, 477

; OTHER INFORMATION: n = A,T,C or G

US-10-060-036-2299

Query Match 12.2%; Score 39.8; DB 9; Length 486;

Best Local Similarity 60.8%; Pred. No. 0.41; Mismatches 42; Indels 0; Gaps 0;

Matches 65; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

Query 219 TCTTGTGCTTGGCAAACTCTATCCATGGTTCTCTACAGTAGTT 278  
 Publication No. US20030073144A1

Db 110 TTTCCTGTTGTTGTAAGCTTAAAGTAAAGAAAAAAAGTAAAGT 51

Query 279 TCCAAATGTAATAACTTATATAAAGTAAAGAAAAAAAGTAAAGT 325  
 Publication No. US20030073144A1

Db 50 TAAAGTGTAAAGAAAAAAATPAAKAAKAAKAAKAAKAAKAA 4

RESULT 21

US-09-771-208-20

; Sequence 20, Application US/09771208

; Patent No. US200215556A1

; GENERAL INFORMATION:

; APPLICANT: MEDRANO, JUAN

; APPLICANT: BRADFORD, ERIC

; APPLICANT: HORAT, SIMON

; TITLE OF INVENTION: CLONING OF A HIGH-GROWTH GENE

; FILE REFERENCE: 4071-923710US

; CURRENT APPLICATION NUMBER: US/09/771,208

; CURRENT FILING DATE: 2001-01-26

; PRIOR APPLICATION NUMBER: US 08/999,477

; PRIOR FILING DATE: 1997-12-29

; NUMBER OF SEQ ID NOS: 20

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 20





Query Match 11.9%; Score 38.8; DB 9; Length 958;  
 Best Local Similarity 58.8%; Pred. No. 1.1; Mismatches 0; Gaps 0;  
 Matches 67; Conservative 0; MisMatch 47; Indels 0; Gaps 0;

Y 212 GTGATAGTGTGCTTGCCTGCAAACCTACTTACTTACATGGTTTCCTGTACAG 271  
 b 812 GTGTGATTTGTAATGAGACATTAATCGGATGATGTTTATCAA 871

Y 272 TAGATTCGAACTGATAACTTAACTTAATAGAAAAAAA 325  
 b 872 CAGAACTTACAACTGAAACTAAAGAAAAAAA 925

RESULT 27  
 Sequence 5, Application US/10126798  
 Publication No. US20030059798A1

APPLICANT: Bruce J. Bryan  
 Stephen Gaalena  
 Randall B. Murry  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ Version 1.5

ADDRESS: Brown, Martin, Haller & McClain  
 STREET: 1660 Union Street  
 CITY: San Diego  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 92101-2926

COMPUTER READABLE FORM:  
 MEDIUM TYPE: <Unknown>  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 CURRENT APPLICATION DATA:  
 CURRENT APPLICATION NUMBER: US/10/126,798  
 FILING DATE: 19-APR-2002  
 CLASSIFICATION: <Unknown>  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US/08/990,103  
 FILING DATE: 12-DEC-1997  
 APPLICATION NUMBER: 60/057,675,  
 FILING DATE: 02-FEB-1997  
 APPLICATION NUMBER: 60/033,745,  
 FILING DATE: 12-DEC-1996

ATTORNEY/AGENT INFORMATION:  
 NAME: Seidman, Stephenie L  
 REGISTRATION NUMBER: 33,779  
 REFERENCE/DOCKET NUMBER: 6680-112  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 619-238-0099  
 TELEX: <Unknown>  
 FAX: 619-238-0062

INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 958 Base Pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FRAGMENT TYPE: <Unknown>  
 ORIGINAL SOURCE:  
 FEATURE:  
 NAME/KEY: Coding Sequence  
 LOCATION: 115...702  
 OTHER INFORMATION: Apoaequorin-encoding gene

RESULT 28  
 Sequence 5, Application US/0980898-5  
 Publication No. US20030092098A1

APPLICANT: Szent-Gyorgyi, Christopher  
 APPPLICANT: Szczeplaniak, William  
 TITLE OF INVENTION: RENILLA RENIFORMIS FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING FLUORESCENT PROTEINS AND THE USE THEREOF IN DIAGNOSTICS, HIGH  
 TITLE OF INVENTION: SCREENING AND NOVELTY ITEMS  
 FILE REFERENCE: 24729-128

TITLE OF INVENTION: RENILLA RENIFORMIS FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING FLUORESCENT PROTEINS AND THE USE THEREOF IN DIAGNOSTICS, HIGH  
 CURRENT APPLICATION NUMBER: US/09/808,898  
 CURRENT FILING DATE: 2001-03-15

PRIOR APPLICATION NUMBER: 60/189,691  
 PRIOR FILING DATE: 1996-11-25

PRIOR APPLICATION NUMBER: 60/033,155  
 PRIOR FILING DATE: 1996-03-15

PRIOR APPLICATION NUMBER: 09/277,716  
 PRIOR FILING DATE: 1999-03-26

PRIOR APPLICATION NUMBER: 08/757,046  
 PRIOR FILING DATE: 1996-11-25

PRIOR APPLICATION NUMBER: 08/597,274  
 PRIOR FILING DATE: 1996-02-06

PRIOR APPLICATION NUMBER: 08/908,909  
 PRIOR FILING DATE: 1997-08-08

PRIOR APPLICATION NUMBER: 08/990,103  
 PRIOR FILING DATE: 1997-12-12

NUMBER OF SEQ ID NOS: 33  
 SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 5  
 LENGTH: 958  
 TITLE: DNA  
 ORGANISM: Aequorea victoria  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: (115)...(702)  
 OTHER INFORMATION: Apoaequorin-encoding gene

RESULT 29  
 Sequence 5, Application US/001803-211-5

Query Match 11.9%; Score 38.8; DB 9; Length 958;  
 Best Local Similarity 58.8%; Pred. No. 1.1; Mismatches 0; Gaps 0;  
 Matches 67; Conservative 0; MisMatch 47; Indels 0; Gaps 0;

Y 212 GTGATCTCTTGTCTTGGAAACCTACTTACATGGTTTCCTGTACAG 271  
 Db 812 GTGTGATTTGTAATGAGACATTAATCGGATGATGTTTATCAA 871

Y 272 TAGATTCGAACTGATAACTTAACTTAATAGAAAAAAA 325  
 Db 872 CAGAACTTACAACTGAAACTAAAGAAAAAAA 925

Sequence 5, Application US/09803211

Patent No. US2002004942A1

GENERAL INFORMATION:

APPLICANT: Bryan, Bruce

TITLE OF INVENTION: BICOLORIMINESCENT ARTICLES OF MANUFACTURE

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS: Heller Ehrman White &amp; McAuliffe

ADDRESSEE: Heller Ehrman White &amp; McAuliffe

STREET: 4250 Executive Square, 7th Floor

CITY: La Jolla

STATE: CA

COUNTRY: USA

ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/803,211

FILING DATE:

CLASSIFICATION:

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 09/444,762

FILING DATE: 11-22-99

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/757,046

FILING DATE: 11-25-96

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/597,274

FILING DATE: 02-05-96

ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie L

REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER: 24729-105P

TELECOMMUNICATION INFORMATION:

TELEPHONE: 619-450-8400

TELEFAX: 619-450-8499

TELEX:

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 958 base pairs

HYPOTHETICAL: NO

ANTI-SENSE: NO

FRAGMENT TYPE:

ORIGINAL SOURCE:

FEATURE:

NAME/KEY: Coding Sequence

LOCATION: 115...702

OTHER INFORMATION: apoaequorin-encoding gene

PUBLICATION INFORMATION:

AUTHORS: Inouye et al.

JOURNAL: Proc. Natl. Acad. Sci. U.S.A.

VOLUME: 82

PAGES: 3154-3158

DATE: (1985)

DOCUMENT NUMBER: 5,093,240

US-09-803-211-5

Query Match 11.9%; Score 38.8; DB 10; Length 958; Best Local Similarity 58.8%; Pred. No. 1.1; Matches 67; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

Qy 212 GGTAGTCCTTGTGCAACTCTACTATCACTGTTCTCTGAG 271

Db 812 GGTGTGATTGTGAAATAGGACAGATTAATGGAGATAGTGTGTTTAACTCA 871

Qy 272 TAGTTTCCAAATAAATTAAGTTAAGTAAANAAAAAA 325

Db 872 CAGAACCTACAAATGGAAAAGTAAANAAAAAA 925

RESULT 30

US-09-745-485A-5

Sequence 5, Application US/09746495A

Patent No. US2002009059A1

GENERAL INFORMATION:

APPLICANT: Bryan, Bruce

TITLE OF INVENTION: DETECTION AND VISUALIZATION OF NEOPLASTIC TISSUES AND OTHER TISSUES

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Heller Ehrman White &amp; McAuliffe

STREET: 4250 Executive Square, 7th Floor

CITY: La Jolla

STATE: CA

COUNTRY: USA

ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/745,485A

FILING DATE: 22-Dec-2000

CLASSIFICATION: &lt;Unknown&gt;

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/908,909

FILING DATE: 08-Aug-1997

APPLICATION NUMBER: 60/023,374

ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie L

REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER: 24729-108B

TELECOMMUNICATION INFORMATION:

TELEPHONE: 858-450-8403

TELEFAX: 858-587-5360

TELEX: &lt;Unknown&gt;

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 958 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLogy: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

FRAGMENT TYPE: &lt;Unknown&gt;

ORIGINAL SOURCE:

FEATURE:

NAME/KEY: Coding Sequence

LOCATION: 115...702

OTHER INFORMATION: apoaequorin-encoding gene

PUBLICATION INFORMATION:

AUTHORS: Inouye et al.

JOURNAL: Proc. Natl. Acad. Sci. U.S.A.

VOLUME: 82

PAGES: 3154-3158

DATE: (1985)

DOCUMENT NUMBER: 5,093,240

US-09-746-485A-5

Query Match 11.9%; Score 38.8; DB 10; length 958; Best Local Similarity 58.8%; Pred. No. 1.1; Matches 67; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

Qy 212 GGTAGTCCTTGTGCAACTCTACTATCACTGTTCTCTGAG 271

Db 812 GGTGTGATTGTGAAATAGGACAGATTAATGGAGATAGTGTGTTTAACTCA 871

Thu May 29 07:27:56 2003

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Page 13

QY 272 TAGATTTCCAATGTAATAACCTTAATATAACTAAAAAAA 325  
||| ||||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| |||  
Db 872 CAGAACTTACAATCGAAAAGTAAAAAAA 925  
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

Search completed: May 27, 2003, 09:31:44  
Job time : 68.5501 secs